

ADDITIONAL SITE INVESTIGATION REPORT

**3610 Gravenstein Highway South
Sebastopol, California**

June 7, 2005

Project No. 403

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Sebastopol, California

Prepared for:

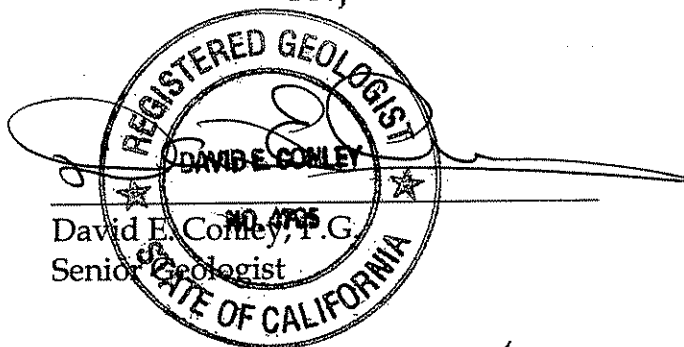
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1.0 BACKGROUND

Brunsing Associates, Inc. (BAI) has prepared this report for an additional site investigation of the former underground storage tanks (USTs) site located at 3610 Gravenstein Highway, Sebastopol, California (Plate 1). This scope of work was performed in response to the Sonoma County Department of Health Services-Environmental Health Division (SCDHS-EHD) letter dated January 20, 2004, which requested additional site investigation including the anomaly reported by NORCAL Geophysical Consultants, Inc. (NORCAL), and a sensitive receptor survey.

1.1 Site Description

The site is located in a mixed-use rural residential and commercial area on Highway 116, in an unincorporated portion of Sonoma County, southeast of Sebastopol. The site is located near the corner of State Highway 116 and Lone Pine Road (Plate 1). Site elevation is approximately 90 feet above mean sea level. Local topography slopes gently to the north, towards the confluence of Blucher Creek and the Laguna de Santa Rosa. At its closest point, Blucher Creek is approximately 1,400 feet west of the study site, and at its closest point the Laguna de Santa Rosa is approximately 1,400 feet east of the study site.

1.2 Site History

In December 1986, three USTs were removed by Eddie Neal Construction, Inc., of Santa Rosa, California. Two tanks were located in a common excavation; one 7,500-gallon tank had stored unleaded gasoline and one 5,000-gallon tank had stored leaded gasoline. One 300-gallon waste oil tank was located approximately 20 feet south of the fuel tanks excavation (Plate 2). Soil samples collected from the gasoline tank excavation contained concentrations of total petroleum hydrocarbons (TPH) as gasoline up to 33 milligrams per kilogram (mg/kg). A soil sample collected beneath the waste oil tank excavation was analyzed for TPH as diesel but not for other waste oil constituents. TPH as diesel was not detected in that sample.

On November 22, 1994, NORCAL performed a subsurface geophysical investigation. The NORCAL geophysical report, dated December 1, 1994 described items located at the site that included: (1) underground utilities, (2) the former gasoline UST excavation limits, (3) the location of the former product line trench between the UST excavation and the former fuel island, and (4) potentially a previously unidentified excavation or tank.

On December 15, 1994, BAI personnel collected groundwater samples from five domestic wells in the vicinity of the site. The analytical test results of groundwater samples collected from the five domestic wells reported non-detectable concentrations of all petroleum hydrocarbons analytes tested. A summary of the analytical test results of the



domestic well survey were presented in the BAI document "Installation of Monitoring Well MW-10 and Groundwater Monitoring Report", dated March 27, 1997.

Eleven groundwater monitoring wells have been constructed at the site. Analytical test results of the groundwater samples collected to date indicated that there was petroleum hydrocarbon impacted groundwater in the vicinity of the former gasoline USTs (wells MW-3 and MW-4), on the southern portion of the site in the vicinity of well MW-7, and near the former dispenser island and product lines (well MW-11). The analytical test results of groundwater samples collected from the four off-site monitoring wells (MW-5, MW-6, MW-8, and MW-10) reported non-detectable concentrations of all analytes tested. The recent analytical results for the domestic wells are summarized in Table 1. A summary of the groundwater monitoring well analytical data and groundwater elevation data are presented in Tables 2 and 3, respectively.

On June 21, 2000, BAI personnel supervised the completion of off-site borings B-31 and B-32 in locations adjacent to the west and south property boundaries (Plate 2). A metal object was encountered in boring B-32a. The boring was abandoned and a second boring (B-32b) was drilled approximately six feet to the southwest. The soil analytical results are summarized in Table 4 and the grab groundwater analytical results are summarized in Table 5. The results of the investigation are presented in BAI's report dated February 7, 2001. The area near to boring B-31 was excavated on September 17, 2003. Several large concrete blocks were excavated and removed, and the excavation was backfilled. No soil samples were collected and no petroleum hydrocarbon odors were detected.

Groundwater monitoring well MW-11 was abandoned on September 30, 2002 in preparation for excavation. On September 16 and 17, 2003, contaminated soil was excavated and loaded directly into trucks. The soil was excavated essentially in three phases. The area west of the former dispensers was excavated, then partially backfilled to assure structural integrity of the canopy. The area east of the former dispensers was then excavated and partially backfilled. The area northwest of the canopy was excavated next and continued until the backfill material for the UST excavation was encountered. Soil adjacent to the canopy was excavated to a depth of approximately 6 feet below ground surface (bgs). Soil between the canopy area and the former UST excavation was excavated to a depth of approximately 8 feet bgs. The area of excavation is shown on Plate 3.

Soil samples were collected during the excavation and screened with a Photoionization Detector (PID). Selected soil samples were submitted to an onsite mobile laboratory for analysis, to assist in evaluating when excavation in that direction should be terminated. Soil samples were collected from the final excavation limits and were analyzed at a later date. The analytical data for the excavation soil samples are summarized in Table 6. The results of the soil remediation were presented in BAI's "Soil Excavation Report," dated December 22, 2003.



2.0 SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey was performed by BAI that included identification of petroleum vapor receptors (basements, vaults, etc) with 250 feet, groundwater plume receptors (wells and surface water bodies) within 1,000 feet, and municipal wells within 1 mile of the former USTs. A door-to-door survey was performed to identify the vapor receptors and groundwater plume receptors. Well driller's reports were obtained from the Department of Water Resources (DWR) for wells within one mile of the former USTs.

A door-to-door survey was conducted on March 9, 2005 to locate vapor receptors within a 250-foot radius and water supply wells within a 1,000-foot radius of the former USTs. BAI personnel contacted the residents who were home during the door-to-door survey. At properties where residents were not home, a letter was left, requesting that they contact BAI either by telephone or mail to indicate whether they had a domestic well on their property. A copy of the letter that was left at the nearby residences is included in Appendix A. Although BAI has not received response from all of the questionnaire letters, there are currently 42 known domestic wells within 1,000 feet of the former USTs (Plate 4).

BAI also contacted the DWR to request copies of well driller's reports for wells within one mile of the site. Appendix B contains the well driller's reports obtained from the DWR. Twenty-one of the wells identified in the DWR search were within 1,000 feet of the site. Forty-seven of the wells were identified within one mile of the site. These well locations are identified on Plate 4.

Based on the door-to-door survey, there are no potential vapor receptors within 250 feet of the former UST location. Four structures were identified within 250 feet of the former UST locations. All of the structures were of post-on-pier, or slab-on-grade construction. Because of the high water table in the area, it is unlikely that any structure in the vicinity of the site would have a basement. The closest surface water body is a small (presumably ephemeral) creek located adjacent to the site on the west that flows to the north towards Blucher Creek. Blucher Creek is approximately 1,400 feet west of the site at its nearest point, flows to the north and northeast, and discharges into the Laguna de Santa Rosa approximately 0.5 miles north of the site (Plate 4). At the time of the survey, Blucher Creek appeared to have water flowing in its channel. The Laguna de Santa Rosa is approximately 1,600 feet east of the site. No other lakes, ponds, or other surface water bodies were identified during this investigation.

On March 11, 2005, BAI contacted the City of Sebastopol and the Sonoma County Water Agency (SCWA) for information regarding municipal wells in the area. Mr. Bill Waters of the SCWA stated that their water production well closest to the site is located near the intersection of Highway 12 and Llano Road, east of Sebastopol, California, approximately 3 miles north of the site. According to Mr. Rich Emig of the City of Sebastopol Public



Work Department, the nearest City of Sebastopol production well is located near the intersection of Highway 116 and Cooper Road, approximately two miles north of the site.

3.0 SOIL BORINGS

3.1 Soil Boring Locations

In order to investigate the contamination reported in the soil and groundwater samples collected from well MW-7, BAI drilled three soil borings surrounding well MW-7 at the locations shown on Plate 2. Boring locations were selected to further delineate the lateral extent of petroleum hydrocarbon contamination in soil and groundwater in the vicinity of well MW-7.

3.2 Drilling Methods and Soil Sampling

A drilling permit was obtained from the SCDHS-EHD, and Underground Service Alert was notified at least 48 hours prior to commencing drilling operations. Clear Heart Drilling of Santa Rosa, California, a C-57 licensed drilling contractor with a drill rig equipped with solid-stem augers, was retained to drill the borings. The borings were logged by a BAI geologist according to the Unified Soil Classification System (Appendix C).

The drilling activities consisted of advancing three soil borings for the collection of soil and groundwater samples to define the extent of soil and groundwater contamination in the vicinity of the well MW-7 (Plate 2). Soil samples were collected at 5 feet bgs and 10 feet bgs from each boring. The soil samples were collected using a split-spoon sampler lined with brass tubes. The sample drives were screened in the field for total volatile organic compounds using a PID. Two soil samples from each of the borings were retained for laboratory analysis. The soil samples were sealed with plastic caps, labeled, and stored in a cooled ice chest pending delivery to a California-certified laboratory. A chain-of-custody form was completed and transported to the laboratory with the samples. The samples were delivered to the analytical laboratory such that sample preservation could be completed within 48 hours of collection, as required by EPA 5035 protocol. Two soil samples from each boring were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers. The soil boring logs are contained in Appendix C.

The borings were backfilled using cement/bentonite grout after all sampling activities were complete. Drilling equipment was steam cleaned prior to drilling and the sampling equipment was cleaned prior to use with a laboratory detergent followed by a deionized water rinse. The soil and water generated during drilling was placed in labeled 55-gallon drums and left onsite.



3.3 Groundwater Sampling from Borings

Groundwater samples were collected from the borings by placing a clean temporary well casing in each boring. The temporary wells were sampled by lowering a clean, factory-sealed bailer into the well casing, then transferring the water to laboratory-supplied containers. The samples were sealed, labeled, and stored in a cooled ice chest until delivery to a California-certified laboratory for analyses. The groundwater samples were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers.

4.0 SOIL EXCAVATION

To investigate the anomaly reported by NORCAL, the area near boring B-19 (Plate 2) was excavated on February 7, 2005. Prior to excavating, the proposed excavation area was marked, and Underground Service Alert was notified at least 48 hours prior to commencing excavation. The concrete covering the area to be excavated was broken, excavated and removed. The removed concrete was loaded into trucks and hauled to a recycling plant.

Soil was excavated to a depth of approximately 5 feet bgs. No UST or other object was observed in the excavation, and all of the soil excavated appeared to be undisturbed, native soil. Approximately 10 cubic yards of soil were excavated, and stockpiled onsite. Stockpiled soil was placed on, and covered with plastic sheeting. The area excavated is shown on Plate 5.

4.1 Soil Sampling

Soil samples SW-1 through SW-4 were collected from the excavation sidewalls, soil sample B-1 was collected from the excavation bottom, and soil samples SP-1 through SP-4 were collected from the soil stockpile. Soil samples were collected in brass sample tubes from soil contained in the backhoe bucket. The sample tubes were capped with Teflon sheets and plastic end caps. The sample tubes were then labeled and stored in a chilled cooler for transport to the laboratory. Appropriate chain-of-custody documentation accompanied the samples from the field to the laboratory.

4.2 Water Sampling

No groundwater entered the excavation during the time that it was left open. Therefore, no groundwater samples were collected from the excavation.



4.3 Loading, Transportation and Disposal Procedures

On April 28, 2005, the stockpiled soil was loaded into trucks and transported to Redwood Landfill in Novato, California with appropriate waste manifests for the type of material being transported. Trucks and drivers were properly licensed to transport the type of waste being hauled. Disposal procedures were dictated by the receiving facility at the time of disposal. Approximately 10 cubic yard (13.5 tons) of soil were transported to Redwood Landfill for disposal. The Redwood Landfill manifest is included in Appendix D.

4.4 Excavation Backfilling

Following collection of the soil samples, the excavation was backfilled with clean imported fill material. The excavation was filled with 1 to 2 foot lifts. Each lift was emplaced and compacted prior to the subsequent lift being emplaced. The finished backfill was left approximately 4-inches below grade in order to accommodate replacement of the concrete. Concrete replacement was performed by Lemos Concrete Construction, Inc. of Santa Rosa, California, on March 16, 2005.

5.0 ANALYTICAL RESULTS

5.1 Soil Borings Soil Analysis

The soil samples collected from soil borings B-33, B-34, and B-35 were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers. In the sample collected from boring B-33 at 5 feet bgs, TPH as gasoline was reported at a concentration of 250 mg/kg, and xylenes were reported at a concentration of 716 micrograms per kilogram ($\mu\text{g}/\text{kg}$). All other analytes in the other samples were below their respective reporting limits. The soil sample analytical results are summarized in Table 4. The completed analytical laboratory report is included in Appendix E.

5.2 Soil Boring Grab-Groundwater Analysis

In the grab-groundwater sample collected from boring B-33, TPH as gasoline was reported at a concentration of 1.7 mg/l, ethylbenzene was reported at a concentration of 46.1 micrograms per liter ($\mu\text{g}/\text{l}$), and xylenes were reported at a concentration of 193 $\mu\text{g}/\text{l}$. In the sample collected from boring B-34, TPH as gasoline was reported at a concentration of 4.2 mg/l, and ethylbenzene was reported at a concentration of 48.9 $\mu\text{g}/\text{l}$. In the sample collected from boring B-35, TPH as gasoline was reported at a concentration of 1.0 mg/l, and ethylbenzene was reported at a concentration of 49.7 $\mu\text{g}/\text{l}$. Groundwater sample analytical results are summarized in Table 5. The complete analytical laboratory report is contained in Appendix E.



5.3 Excavation Soil Analysis

One bottom soil sample, four sidewall soil samples, and one composite stockpile sample were analyzed. The sample locations are shown on Plate 5. The samples were analyzed for TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers.

In sidewall soil sample SW-1, toluene was reported at a concentration of 9.04 $\mu\text{g}/\text{kg}$, and xylenes were reported at a concentration of 16.4 $\mu\text{g}/\text{kg}$. In sidewall soil sample SW-2, toluene was reported at a concentration of 21.1 $\mu\text{g}/\text{kg}$, and xylenes were reported at a concentration of 28.4 $\mu\text{g}/\text{kg}$. In sidewall soil sample SW-3, toluene was reported at a concentration of 8.32 $\mu\text{g}/\text{kg}$, and xylenes were reported at a concentration of 8.39 $\mu\text{g}/\text{kg}$. In sidewall soil sample SW-4, TPH as gasoline was reported at a concentration of 1.4 mg/kg , and xylenes were reported at a concentration of 5.93 $\mu\text{g}/\text{kg}$.

In the bottom sample, all analytes were reported as below their respective reporting limits. In the stockpile sample, TPH as gasoline was reported at a concentration of 1.2 mg/kg , toluene was reported at a concentration of 5.00 $\mu\text{g}/\text{kg}$, and xylenes were reported at a concentration of 14.8 $\mu\text{g}/\text{kg}$. The laboratory report, including quality assurance/quality control data, is presented in Appendix E, and soil sample analytical data are summarized in Table 7.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Excavation in the vicinity of the previously reported NORCAL geophysical anomaly did not identify another UST or any other buried object. The excavation appeared to be in undisturbed native soil. Low concentrations of petroleum hydrocarbons were reported in the sidewall soil samples, however, the sample collected from the bottom of the excavation reported all analytes as below their respective method reporting limits. Therefore, BAI recommends no further investigation in this area.

BAI reviewed site photographs from the 1940's and Caltrans maps of the area, and concluded that the pump island for the previous service station was located at the approximate location of well MW-7. The soil sample collected from the boring for well MW-7 (3 feet bgs) contained 330 mg/kg of TPH as gasoline, 26 $\mu\text{g}/\text{kg}$ of ethylbenzene, and 110 $\mu\text{g}/\text{kg}$ of xylenes. Also reported in the 3-foot bgs sample was 1,100 mg/kg of motor oil and 1,000 mg/kg of diesel range hydrocarbons that did not match the diesel standard. However, analysis of soil samples collected from soil borings B-32b, B-33, B-34, and B-35 reported all analytes below their respective method reporting limits, with the exception of the shallow soil sample from boring B-33. The 5-foot soil sample from boring B-33 reportedly contained TPH as gasoline at 250 mg/kg . The grab groundwater samples collected from borings B-33, B-34, and B-35 contained petroleum hydrocarbon concentrations similar to those reported in the groundwater samples collected from well



MW-7 in 2004 (Tables 2 and 5). These data suggest that any residual contamination is the near the ground surface, and is likely localized in the vicinity of well MW-7.

The sensitive receptor survey identified 42 domestic supply wells within 1,000 feet of the site, and 4 structures within 250 feet of the site. Six of the domestic wells have been sampled (Table 1). No petroleum hydrocarbon constituents have been reported in the samples collected from those wells. BAI recommends continued monitoring of those wells.



7.0 DISTRIBUTION

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TABLES



Table 1. Domestic Well Analytical Data Starting in 2002

3610 Gravenstien Highway South

Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE EPA Method 8260B* (µg/l)
DW-3598	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3610	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3617	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3625	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-5221	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3598	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	4/7/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	4/7/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3627	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3617	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3625	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-5221	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0



Table 1. Domestic Well Analytical Data Starting in 2002

3610 Gravenstien Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE EPA Method 8260B* (µg/l)
DW-3598	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3617	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3625	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3627	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-5221	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0

mg/l = milligrams per liter

µg/l = micrograms per liter

TPH = total petroleum hydrocarbons

MTBE = methyl tert-butyl ether

*analyzed for petroleum oxygenates and lead scavengers; none detected.

< not detected above specified reporting limit

Sample Locations

DW-3598 =3598 Gravenstein Highway

DW-3610 =3610 Gravenstein Highway (site)

DW-3617 =3617 Mt. Vernon Road

DW-3625 =3625 Gravenstein Highway

DW-3627 =3627 Gravenstein Highway

DW-5221 =5221 Lone Pine Road



Table 2. Groundwater Analytical Data Starting in 1993
 3610 Gravenstein Highway South
 Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE* (EPA 8260) (µg/l)
MW-1	4/6/1993	ND	na	na	na	10	ND	ND	ND	na	na	na
MW-1	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-1	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-1	4/25/2002	<0.050	na	na	na	4.06	<0.50	<0.50	<0.50	na	na	ND
MW-1	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	12/15/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-1	4/8/2004	<0.050	na	na	na	0.53	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	4/6/1993	0.35	0.92	na	ND	44	ND	ND	ND	na	ND	na
MW-2	12/14/1994	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	na
MW-2	12/18/1996	ND	ND	ND	na	1.5	1.3	ND	ND	na	na	na
MW-2	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-2	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-2	4/24/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	7/25/2003	0.090	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-2	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	4/6/1993	0.11	na	na	na	24	ND	ND	2.8	na	na	na
MW-3	12/14/1994	ND	0.05	ND	ND	3.6	ND	ND	ND	na	0.9 (PCE)	na
MW-3	12/17/1996	ND	ND	ND	na	1.7	ND	ND	ND	ND	0.7 (PCE)	na
MW-3	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	ND	na
MW-3	11/3/1997	0.21	0.28 (A)	na	na	ND	ND	1.7	2.2	ND	ND	na
MW-3	11/11/1998	ND	ND	ND	na	ND	ND	ND	ND	na	na	na



Table 2. Groundwater Analytical Data Starting in 1993
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-3	9/2/1999	0.28	na	na	na	1.5	ND	1.1	ND	na	na	ND
MW-3	12/17/1999	ND	na	na	na	ND	ND	ND	ND	na	na	ND
MW-3	4/24/2002	ND	na	na	na	5.19	<0.50	<0.50	<0.50	na	na	ND
MW-3	4/23/2003	<0.050	na	na	na	4.36	<0.50	<0.50	<0.50	na	na	ND
MW-3	7/25/2003	0.16	na	na	na	0.540	<0.50	<0.50	<0.50	na	na	ND(D)
MW-3	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-3	12/15/2003	<0.050	na	na	na	3.9	<0.30	<0.50	<0.50	na	na	<0.50
MW-3	4/8/2004	<0.050	na	na	na	1.79	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	4/6/1993	3.8	na	na	na	17	5.0	46	55	na	na	na
MW-4	12/14/1994	0.67	0.42 (A)	ND	ND	56	5.1	13	17	na	0.9 (1,1,-DCA)	na
MW-4	12/17/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na
MW-4	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	ND	na
MW-4	11/3/1997	0.65	0.53 (A)	na	na	10	4.5	1.1	6.6	ND	ND	na
MW-4	11/11/1998	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-4	9/2/1999	0.44	na	na	na	1.6	4.9	1.4	1.6	na	na	ND
MW-4	12/17/1999	0.59	na	na	na	2.0	2.7	1.7	2.6	na	na	ND
MW-4	4/25/2002	<0.050	na	na	na	2.38	<0.50	<0.50	<0.50	na	na	ND
MW-4	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-4	7/25/2003	0.28	na	na	na	<0.50	<0.50	0.530	0.700	na	na	ND
MW-4	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-4	12/15/2003	0.072	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50 (E)
MW-4	4/8/2004	<0.050	na	na	na	1.00	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	7/21/2004	0.15	na	na	na	<0.50	<0.50	1.54	<0.50	na	na	<1.0
MW-4	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-5	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-5	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-5	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na



Table 2. Groundwater Analytical Data Starting in 1993
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE* (EPA 8260) (µg/l)
MW-5	4/25/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-5	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-6	12/18/1996	ND	ND	na	na	ND	ND	ND	ND	na	na	na
MW-6	4/24/2002	ND	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50 (F)
MW-6	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-7	12/14/1994	9.0	4.8 (A)	ND	15	25	19	190	1,300	na	ND	na
MW-7	12/18/1996	7.4	6.3 (A)	ND	na	ND	20	360	970	na	na	na
MW-7	5/16/1997	2.9	3.3 (A)	na	na	1.3	0.9	34	14	ND	na	na
MW-7	11/3/1997	5.3	4.6 (A)	na	na	13	8.8	150	320	ND	na	na
MW-7	11/11/1998	7.0	ND	ND	na	4.9	16	300	790	na	na	na
MW-7	9/2/1999	5.2	na	na	na	4.2	11	190	480	na	na	ND
MW-7	12/17/1999	7.9	na	na	na	8.7	13	310	570	na	na	ND
MW-7	4/24/2002	0.72	na	na	na	<0.50	<0.50	18.9	1.91	na	na	ND
MW-7	4/23/2003	0.13	na	na	na	<0.50	<0.50	6.68	2.98	na	na	ND
MW-7	7/25/2003	0.87	na	na	na	<10	22.3	50.2	115	na	na	ND



Table 2. Groundwater Analytical Data Starting in 1993
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-7	10/21/2003	2.0	na	na	na	<5.0	<5.0	141	101	na	na	ND
MW-7	12/15/2003	4.4	na	na	na	<15	<15	120	97	na	na	<25
MW-7	4/8/2004	0.78	na	na	na	<2.5	<2.5	28.6	32.0	na	na	<5.0
MW-7	7/20/2004	2.3	na	na	na	1.55	4.23	200	141	na	na	<1.0
MW-7	10/28/2004	1.8	na	na	na	1.92	<0.50	170	28.8	na	na	<1.0
MW-8	12/15/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-8	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-9	12/14/1994	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	na
MW-9	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-9	7/24/2001	na	na	na	na	na	na	na	na	na	na	ND
MW-9	4/24/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	1.24
MW-9	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	12/16/2003	<0.50	na	na	na	<30	<30	<50	<50	na	na	<50
MW-9	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-9	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-9	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-10	12/17/1996	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	na
MW-10	5/16/1997	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
MW-10	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-10	12/17/1999	ND	na	na	na	ND	ND	ND	ND	na	na	ND
MW-10	4/25/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-10	4/7/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0



Table 2. Groundwater Analytical Data Starting in 1993
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-11	11/11/1998	0.26	ND	ND	na	77	21	4.8	35	na	(B)	na
MW-11	9/2/1999	34	na	na	na	7,900	7,400	1,600	5,500	na	na	ND (C)
MW-11	12/17/1999	7.4	na	na	na	2,100	68	8.8	1,500	na	na	ND (C)
MW-11	4/24/2002	0.88	na	na	na	340	<2.5	32.5	62.6	na	na	ND (C)

1993 data collected by Trans Tech Consultants and included in their report dated May 24, 1993.

ND = Not detected at the method reporting limit.

< = Not detected above specified reporting limit.

ns = Well not sampled due to inaccessability.

na = Not analyzed.

mg/l = milligrams per liter.

µg/l = micrograms per liter.

MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, 1,1-DCA = 1,1-dichloroethane.

(A) = Chromatographic peak array does not match commercial diesel standard; probable source is weathered gasoline.

(B) = 1,2-dibromoethane at 2.26 µg/l and 1,2-dichloroethane at 9.65 µg/l reported in sample.

(C) = 1,2-dichloroethane reported at 311 µg/l for 9/2/99, 116 µg/l for 12/17/99, and 12.5 µg/l for 4/24/02.

(D) = 1,2-dichloroethane reported at 1.22 µg/l.

(E) = tert-butyl alcohol reported at 13 µg/l.

(F) = 1,4-dichlorobenzene reported at 3.2 µg/l.

* Analyzed for petroleum oxygenates and lead scavengers by EPA Test Method 8260; only those detected are listed.



Table 3. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	12/14/1994	87.60	1.25	86.35	North to Northwest
MW-2	12/14/1994	88.33	2.25	86.08	
MW-3	12/14/1994	87.92	1.30	86.62	
MW-4	12/14/1994	87.70	1.29	86.41	
MW-5	12/14/1994	86.91	2.31	84.60	
MW-6	12/14/1994	86.63	0.58	86.05	
MW-7	12/14/1994	89.36	1.54	87.82	
MW-8	12/14/1994	88.74	1.02	87.72	
MW-9	12/14/1994	88.52	1.61	86.91	
MW-1	12/17/1996	87.60	0.83	86.77	Northwest
MW-2	12/17/1996	88.33	1.68	86.65	
MW-3	12/17/1996	87.92	0.78	87.14	
MW-4	12/17/1996	87.70	1.53	86.17	
MW-5	12/17/1996	86.91	2.47	84.44	
MW-6	12/18/1996	86.63	0.78	85.85	
MW-7	12/17/1996	89.36	1.03	88.33	
MW-8	12/17/1996	88.74	0.89	87.85	
MW-9	12/17/1996	88.52	2.33	86.19	
MW-10	12/17/1996	86.35	-0.03	86.38	
MW-1	5/16/1997	87.60	2.17	85.43	North to Northwest
MW-2	5/16/1997	88.33	3.37	84.96	
MW-3	5/16/1997	87.92	2.13	85.79	
MW-4	5/16/1997	87.70	2.10	85.60	
MW-5	5/16/1997	86.91	3.33	83.58	
MW-6	5/16/1997	86.63	na	na	
MW-7	5/16/1997	89.36	2.06	87.30	
MW-8	5/16/1997	88.74	1.78	86.96	
MW-9	5/16/1997	88.52	1.71	86.81	
MW-10	5/16/1997	86.35	1.39	84.96	
MW-1	11/3/1997	87.60	5.12	82.48	North
MW-2	11/3/1997	88.33	5.41	82.92	
MW-3	11/3/1997	87.92	5.12	82.80	
MW-4	11/3/1997	87.70	5.08	82.62	
MW-5	11/3/1997	86.91	5.08	81.83	
MW-6	11/3/1997	86.63	na	na	
MW-7	11/3/1997	89.36	5.49	83.87	
MW-8	11/3/1997	88.74	5.11	83.63	
MW-9	11/3/1997	88.52	4.99	83.53	
MW-10	11/3/1997	86.35	4.23	82.12	



Table 3. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	11/10/1998	87.60	3.47	84.13	North
MW-2	11/10/1998	88.33	3.84	84.49	
MW-3	11/10/1998	87.92	3.55	84.37	
MW-4	11/10/1998	87.70	3.53	84.17	
MW-5	11/10/1998	86.91	3.87	83.04	
MW-6	11/10/1998	86.63	2.74	na	
MW-7	11/10/1998	89.36	4.18	85.18	
MW-9	11/10/1998	88.74	4.04	84.70	
MW-10	11/10/1998	88.52	3.75	84.77	
MW-1	9/2/1999	87.60	4.61	82.99	Northwest
MW-2	9/2/1999	88.33	4.98	83.35	
MW-3	9/2/1999	87.92	4.70	83.22	
MW-4	9/2/1999	87.70	4.73	82.97	
MW-5	9/2/1999	86.91	4.97	81.94	
MW-6	9/2/1999	86.63	4.35	82.28	
MW-7	9/2/1999	89.36	4.63	84.73	
MW-9	9/2/1999	88.74	5.43	83.31	
MW-10	9/2/1999	88.52	na	na	
MW-11	9/2/1999	ns	3.75	ns	
MW-1	12/17/1999	87.60	3.27	84.33	North
MW-2	12/17/1999	88.33	3.64	84.69	
MW-3	12/17/1999	87.92	3.37	84.55	
MW-4	12/17/1999	87.70	3.36	84.34	
MW-5	12/17/1999	86.91	3.93	82.98	
MW-6	12/17/1999	86.63	2.77	83.86	
MW-7	12/17/1999	89.36	4.05	85.31	
MW-9	12/17/1999	88.74	3.97	84.77	
MW-10	12/17/1999	88.52	2.31	86.21	
MW-11	12/17/1999	ns	3.57	ns	
MW-1	4/24/2002	87.60	1.04	86.56	North to Northwest
MW-2	4/24/2002	88.33	1.51	86.82	
MW-3	4/24/2002	87.92	0.95	86.97	
MW-4	4/24/2002	87.70	1.15	86.55	
MW-5	4/24/2002	86.91	2.74	84.17	
MW-6	4/24/2002	86.63	1.26	85.37	
MW-7	4/24/2002	89.36	1.34	88.02	
MW-9	4/24/2002	88.74	2.35	86.39	
MW-10	4/24/2002	88.52	0.19	88.33	
MW-11	4/24/2002	ns	0.98	ns	



Table 3. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	4/23/2003	87.60	0.75	86.85	West to Northwest
MW-2	4/23/2003	88.33	0.96	87.37	
MW-3	4/23/2003	87.92	0.71	87.21	
MW-4	4/23/2003	87.70	0.86	86.84	
MW-5	4/23/2003	86.91	2.56	84.35	
MW-6	4/23/2003	86.63	0.95	85.68	
MW-7	4/23/2003	89.36	1.06	88.30	
MW-9	4/23/2003	88.74	2.23	86.51	
MW-10 ^A	4/23/2003	88.52	0.00	>88.52	
MW-1	7/25/2003	87.60	4.01	83.59	West to East
MW-2	7/25/2003	88.33	4.31	84.02	
MW-3	7/25/2003	87.92	4.05	83.87	
MW-4	7/25/2003	87.70	4.14	83.56	
MW-5	7/25/2003	86.91	4.59	82.32	
MW-6	7/25/2003	86.63	3.84	82.79	
MW-7	7/25/2003	89.36	3.70	85.66	
MW-9	7/25/2003	88.74	4.65	84.09	
MW-10	7/25/2003	88.52	3.49	85.03	
MW-1	10/21/2003	87.60	5.82	81.78	West to North
MW-2	10/21/2003	88.33	6.31	82.02	
MW-3	10/21/2003	87.92	6.03	81.89	
MW-4	10/21/2003	87.70	5.99	81.71	
MW-5	10/21/2003	86.91	5.88	81.03	
MW-6	10/21/2003	86.63	5.36	81.27	
MW-7	10/21/2003	89.36	5.75	83.61	
MW-9	10/21/2003	88.74	6.49	82.25	
MW-10	10/21/2003	88.52	5.16	83.36	
MW-1	12/15/2003	87.60	2.77	84.83	Northwest ^B
MW-2	12/16/2003	88.33	3.12	85.21	
MW-3	12/15/2003	87.92	2.92	85.00	
MW-4	12/15/2003	87.70	2.88	84.82	
MW-5	12/16/2003	86.91	3.40	83.51	
MW-6	12/16/2003	86.63	1.99	84.64	
MW-7	12/15/2003	89.36	4.70	84.66	
MW-9	12/16/2003	88.74	2.77	85.97	
MW-10	12/16/2003	88.52	1.94	86.58	



Table 3. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	4/7/2004	87.60	0.87	86.73	West to Northwest
MW-2	4/7/2004	88.33	1.37	86.96	
MW-3	4/7/2004	87.92	0.84	87.08	
MW-4	4/7/2004	87.70	0.96	86.74	
MW-5	4/7/2004	86.91	2.64	84.27	
MW-6	4/7/2004	86.63	1.08	85.55	
MW-7	4/7/2004	89.36	1.35	88.01	
MW-9	4/7/2004	88.74	2.30	86.44	
MW-10	4/7/2004	88.52	0.17	88.35	
MW-1	7/20/2004	87.60	4.59	83.01	West to Northwest
MW-2	7/20/2004	88.33	5.07	83.26	
MW-3	7/20/2004	87.92	4.80	83.12	
MW-4	7/20/2004	87.70	4.78	82.92	
MW-5	7/20/2004	86.91	4.96	81.95	
MW-6	7/20/2004	86.63	4.39	82.24	
MW-7	7/20/2004	89.36	4.34	85.02	
MW-9	7/20/2004	88.74	5.31	83.43	
MW-10	7/20/2004	88.52	4.17	84.35	
MW-1	10/28/2004	87.60	5.70	81.90	West to North
MW-2	10/28/2004	88.33	6.10	82.23	
MW-3	10/28/2004	87.92	5.88	82.04	
MW-4	10/28/2004	87.70	5.71	81.99	
MW-5	10/28/2004	86.91	5.66	81.25	
MW-6	10/28/2004	86.63	4.70	81.93	
MW-7	10/28/2004	89.36	6.49	82.87	
MW-9	10/28/2004	88.74	5.85	82.89	
MW-10	10/28/2004	88.52	4.77	83.75	

MSL = Referenced to Mean Sea Level

na = Well not accessible for measurement

BTOC = Below top of casing

ns = Not surveyed

Well MW-8 was abandoned on October 26, 1998 and Well MW-11 was abandoned on June 11, 2002

^A = Water in MW-10 at top of casing on 4/23/03

^B = Calculated using data from wells MW-5, MW-6, and MW-10



Table 4. Soil Sample Analytical Data - Soil Borings
3610 Gravenstein Highway South
Sebastopol, California

Boring Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TPH as motor oil (mg/kg)	Oil and Grease (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	EPA 8010/8240 (µg/kg)
B-1	08/31/92	2.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-1	08/31/92	4.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-2	08/31/92	3.0	<1	na	na	na	<2.5	<2.5	<2.5	6.4	na	na
B-2	08/31/92	5.5	3.9	na	na	na	4.4	<2.5	<2.5	<2.5	na	na
B-3	08/31/92	3.0	210 ¹	na	na	na	<125	<125	790	<125	na	na
B-3	08/31/92	5.0	3.8	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-4 (MW-1)	09/01/92	1.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-4 (MW-1)	09/01/92	4.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-5	03/22/93	2.5	340	39 ²	48	1,200	41 ³	<2.5	140	210	na	ND
B-5	03/22/93	7.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-6	03/22/93	2.0	1500	na	na	na	310	560	1,100	2,300	na	na
B-6	03/22/93	4.5	180	na	na	na	100	280	370	270	na	na
B-6	03/22/93	2.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-7	03/22/93	3.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-9	03/23/93	3.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	ND
B-11 (MW-2)	03/23/93	3.0	<1	2.1 ²	<10	<50	<2.5	<2.5	<2.5	<2.5	na	na
B-12	03/23/93	2.5	87	na	na	na	180	<2.5	85	130	na	na
B-12	03/23/93	5.5	16	na	na	na	600	160	180	550	na	na
B-14	03/25/93	3.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-15	03/25/93	2.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-16 (MW-4)	03/25/93	2.5	69	na	na	na	<2.5	25	120	140	na	na
B-17	11/29/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-18	11/29/94	2.5	<1.0	<1.0	<10	<50	<5.0	<5.0	<5.0	<5.0	na	ND
B-19	11/29/94	2.5	100 ¹	120 ²	<10	250	<5.0	<5.0	<5.0	<5.0	na	ND
B-20	11/29/94	2.5	5.3 ¹	28	36	80	<5.0	<5.0	<5.0	12	na	ND
B-21 (MW-5)	11/30/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-22 (MW-6)	11/30/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-23 (MW-7)	11/30/94	3.0	330	1,000 ²	<10	1,100	<5.0	<5.0	26	110	na	ND
B-24 (MW-8)	11/30/94	4.0	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na



Table 4. Soil Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South

Sebastopol, California

Boring Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TPH as motor oil (mg/kg)	Oil and Grease (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	EPA 8010/8240 (µg/kg)
B-25	12/01/94	2.5	820	na	na	na	<5.0	1,400	5,200	35,000	na	na
B-26 (MW-9)	11/30/94	2.0	<1.0	<1.0	<10	<50	<5.0	ND	ND	ND	na	ND
B-27	12/01/94	3.0	<1.0	<1.0	260	400	<5.0	<5.0	<5.0	<5.0	na	ND
B-28	12/01/94	3.0	<1.0	<1.0	20	<50	<5.0	<5.0	<5.0	<5.0	na	ND
B-29	12/01/94	3.0	180	1,100 ²	4,100	7,000	<5.0	<5.0	<5.0	<5.0	na	ND
B-30	12/01/94	2.5	42	na	na	na	140	430	820	3,000	na	na
B-31	12/01/94	4.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	ND	na
B-31	12/01/94	7.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	<50	na
B-32b	12/01/94	5.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	ND	na
MW-11	10/27/98	4.0	2.0	<1.0	<10	na	540	490	220	670	<200	na
MW-11	10/27/98	10.0	<1.0	<1.0	<10	na	5.1	<5.0	<5.0	<5.0	<50	na
B-33	12/10/04	5	250	na	na	na	<500	<500	<500	716	<500	na
B-33	12/10/04	10	<5.0	na	na	na	<25	<25	<25	<25	<25	na
B-34	12/10/04	5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-34	12/10/04	10	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-35	12/10/04	5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-35	12/10/04	10	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na

µg/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

¹= Chromatographic peak array does not match commercial gasoline standard.

²= Chromatographic peak array does not match commercial diesel standard or resemble commercial mineral spirit standard.

³= EPA Test Method 8240 result.

ND = not detected at method reporting limit.

na = not analyzed.



Table 5. Groundwater Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South

Sebastopol, California

Boring Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE ^A (µg/l)
B-17	4/6/93	ND	nr	ND	nr	ND	ND	ND	ND	nr
B-18	12/14/94	0.24 ^B	0.25 ^C	ND	ND	ND	ND	ND	ND	nr
B-19	12/18/96	1.2 ^B	1.4 ^C	ND	1.8	ND	ND	1.1	3.9	nr
B-20	4/6/93	0.8 ^B	0.6 ^C	ND	ND	ND	ND	8.4	4.0	nr
B-21 (MW-5)	12/14/94	ND	nr	nr	nr	ND	ND	ND	ND	nr
B-22 (MW-6)	12/18/96	ND	nr	nr	nr	ND	ND	ND	ND	nr
B-25	5/16/97	60	nr	nr	nr	780	4,700	3,300	19,000	nr
B-27	11/3/97	0.17	0.06	2.0	2.5	ND	ND	ND	1.8	nr
B-28	4/6/93	ND	ND	ND	ND	ND	ND	ND	ND	nr
B-29	12/14/94	0.32 ^B	0.15 ^C	ND	ND	1.2	ND	ND	1.7	nr
B-30	12/17/96	160	nr	nr	nr	16,000	44,000	6,800	31,000	nr
B-31	5/16/97	ND	ND	ND	nr	ND	ND	ND	ND	0.783
B-32	11/3/97	ND	ND	ND	nr	ND	ND	ND	ND	ND
B-33	12/10/04	1.7	nr	nr	nr	<10	<10	46.1	193	<20
B-34	12/10/04	4.2	nr	nr	nr	<5.0	<5.0	48.9	<5.0	<10
B-35	12/10/04	1.0	nr	nr	nr	<5.0	<5.0	49.7	<5.0	<10

µg/l = micrograms per liter.

mg/l = milligrams per liter.

MTBE = methyl tertiary butyl ether.

^A = analyzed using EPA Test Method 8260 for petroleum oxygenates and lead scavengers, none detected.

Only those compounds detected are listed.

^B = Chromatographic peak array does not match commercial gasoline standard

^C = Chromatographic peak array resembles that obtained from commercial mineral spirit standard

^D = Methylene chloride detected at 10 µg/l, Trichloroethene detected at 0.5 µg/l

^E = Chlorobenzene detected at 2.2 µg/l



Table 6. Excavation Soil Sample Analytical Data
3610 Gravenstein Highway South
Sebastopol, California

Sample Number	Date Sampled	Depth feet (bgs)	TPH as gasoline (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)
EX-B1	9/16/03	5.5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EX-B2	9/17/03	5.5	<1.0	25.4	71.1	16.0	78.4	<5.0 ²
EX-B3	9/17/03	6.5	<1.0	7.04	<5.0	<5.0	<5.0	<5.0 ²
EX-B4	9/17/03	7.5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EX-B5	9/17/03	8.0	<1.0	6.81	<5.0	<5.0	<5.0	<5.0 ²
EXFS-1	9/16/03	3.0	15	25	<25	100	250	<25
EXFS-2	9/17/03	3.0	800	2,300	16,000	10,000	43,000	<2,000
EXFS-3	9/17/03	4.0	<1.0	5.9	5.4	<5.0	6.0	<5.0
EXFS-4	9/17/03	4.5	13	<25	<25	61	45	<25
EXFS-5	9/17/03	4.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
EXFS-6	9/17/03	4.0	250	<100	1,600	1,200	1,200	<100
EXSTKPL-1	9/16/03	¹	710	<500	<500	7,400	4,700	na
EXSTKPL-2	9/16/03	¹	100	460	1,200	840	2,100	na
EXSW-1	9/16/03	3.5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EXSW-2	9/16/03	3.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EXSW-3	9/16/03	4.0	2.2	10.1	<5.0	<5.0	<5.0	<5.0 ²
EXSW-4	9/17/03	3.0	250	<2000	<2000	<2000	<2000	<2000 ²
EXSW-5	9/17/03	3.5	930	<2000	<2000	34,400	176,000	<2000 ²
EXSW-6	9/17/03	4.0	3,200	<2000	13,300	31,200	117,000	<2000 ²
EXSW-7	9/17/03	4.5	<1.0	7.25	<5.0	<5.0	<5.0	<5.0 ²
EXSW-8	9/17/03	4.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EXSW-9	9/17/03	4.0	3.7	<5.0	<5.0	<5.0	<5.0	<5.0 ²
EXSW-10	9/17/03	4.0	7.4	<5.0	<5.0	<5.0	<5.0	<5.0 ²

µg/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

Less than symbol (<) indicates not reported at given laboratory reporting limit.

na = not analyzed.

¹ Samples EXSTKPL-1 and 2 were four-point composite samples collected from each of eight truckloads, as requested by the landfill, to represent material for disposal at the landfill.

² Analyzed for petroleum oxygenates and lead scavengers using EPA Test Method 8260B; none detected.

EX-B = samples collected from the excavation bottom.

EXSW = samples collected from the excavation sidewalls.

EXFS = samples collected during excavation for field screening of petroleum hydrocarbons.



Table 7. Geophysical Anomaly Excavation Soil Sample Analytical Data
3610 Gravenstein Highway South
Sebastopol, California

Sample Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Xylenes (µg/kg)	MTBE ^A (EPA 8260) (µg/kg)
SW-1	2/7/05	4	<1.0	<5.0	9.04	<5.0	16.4	<5.0
SW-2	2/7/05	4	<1.0	<5.0	21.1	<5.0	28.4	<5.0
SW-3	2/7/05	4	<1.0	<5.0	8.32	<5.0	8.39	<5.0
SW-4	2/7/05	4	1.4	<5.0	<5.0	<5.0	5.93	<5.0
B-1	2/7/05	5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
SP-1,2,3,4	2/7/05		1.2	<5.0	5.00	<5.0	14.8	<5.0

µg/kg = micrograms per kilogram.

mg/kg = milligrams per kilogram.

MTBE = methyl tertiary butyl ether.

SW = sidewall samples.

B = bottom sample.

SP = composite stockpile sample.

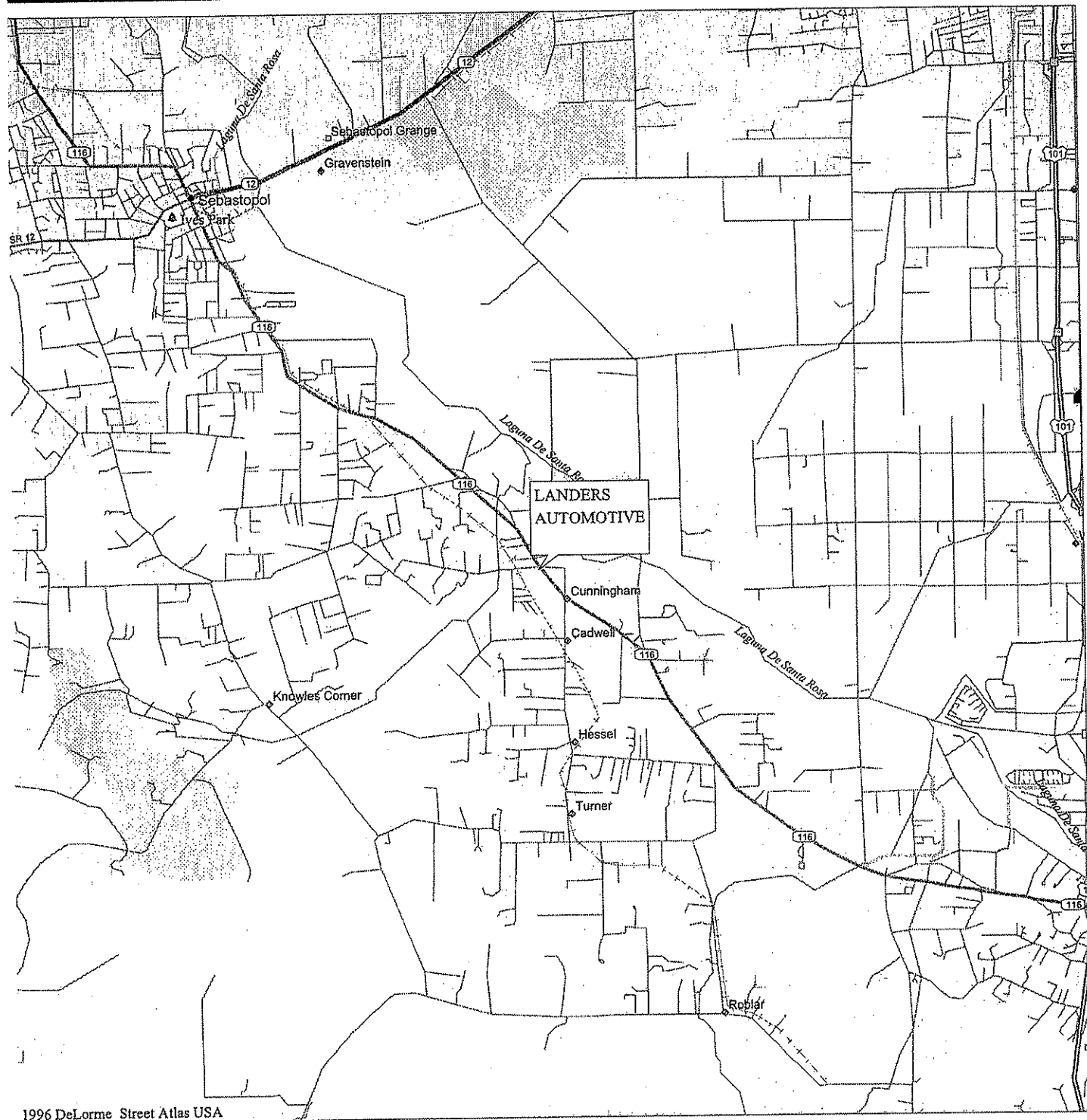
^A = analyzed using EPA Test Method 8260 for petroleum oxygenates and lead scavengers, none detected.

< = not detected above the specified reporting limit.



PLATES





1996 DeLorme Street Atlas USA

Tag 13.00

Scale 1:62,500 (at center)

ue Dec 02 14:22 2003

1 Miles



APPROXIMATE SCALE
(miles)



PROJECT NO.: 403

DRAWN BY: DEC 12/2/03

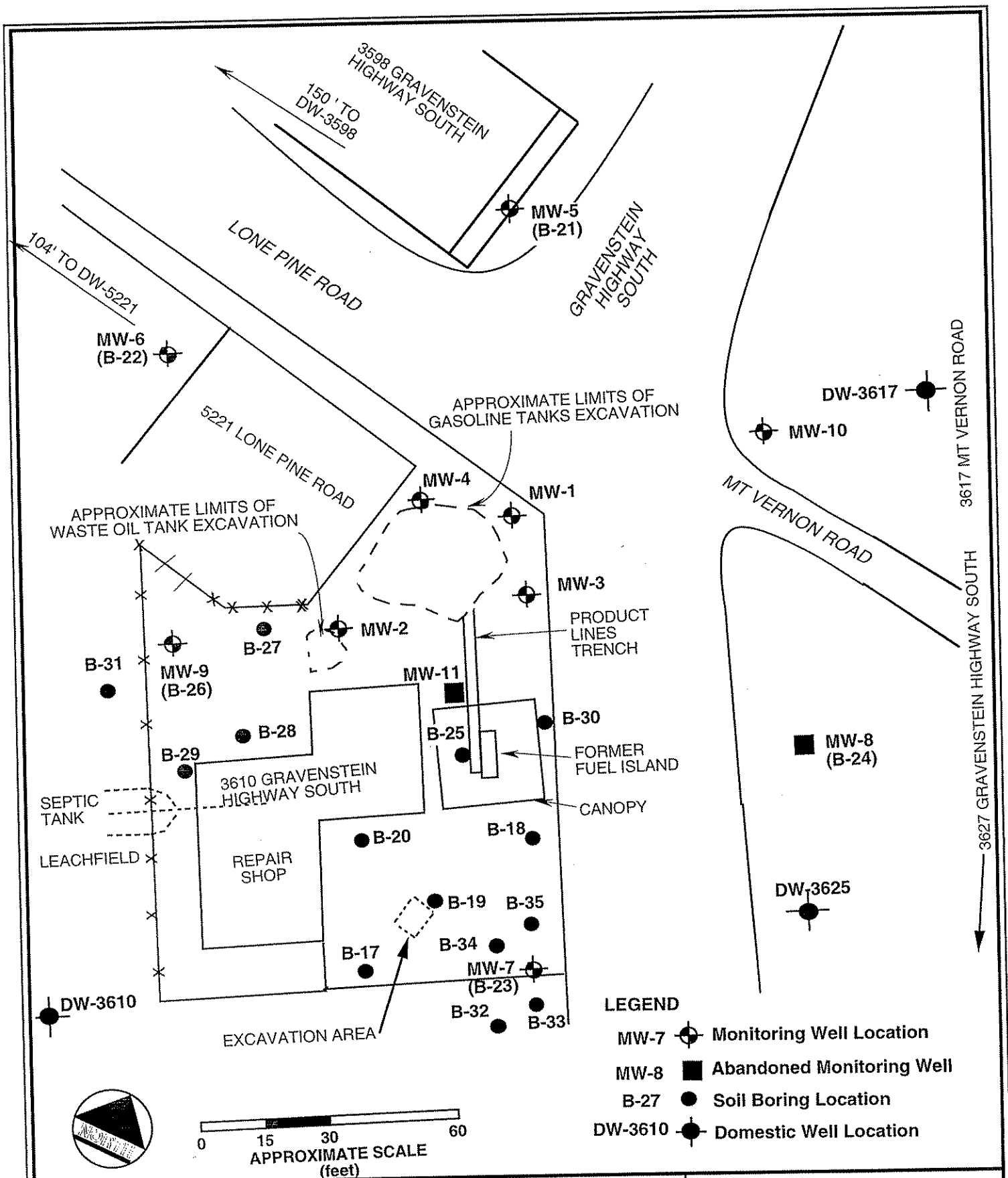
CHECKED BY:

APPROVED BY: *DMD* 12/23/03

REVISED BY:

Brunsing Associates, Inc.
P. O. Box 588
Windsor, California 95492

PLATE 1
LOCATION MAP
3610 Gravenstein Highway South
Sebastopol, California



PROJECT NO.: 403

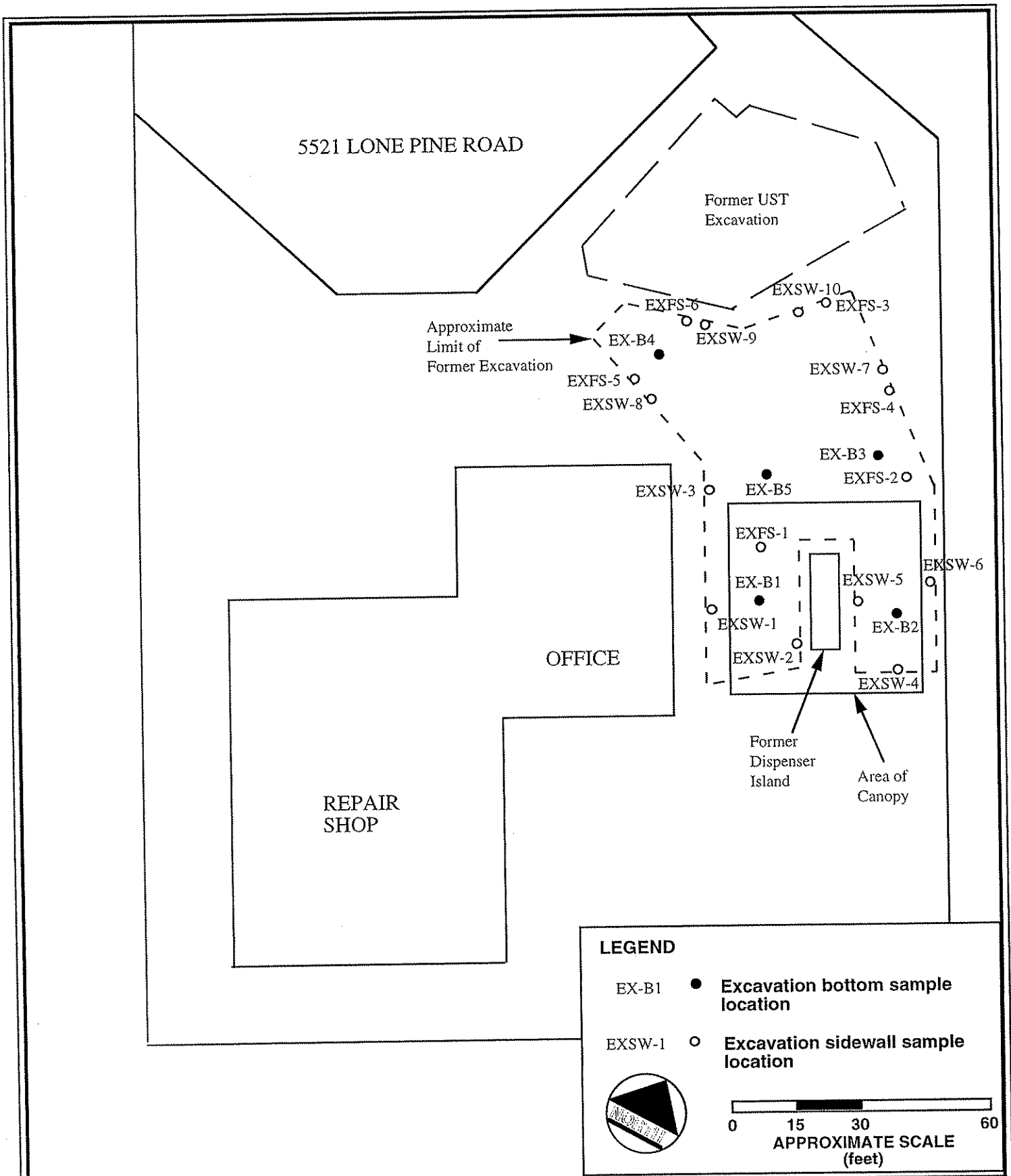
DRAWN BY: DEC 5/5/05

CHECKED BY:

APPROVED BY: *DMJ* 6/7/05

Brunsing Associates, Inc.
P.O. Box 588
Windsor, California

PLATE 2
SITE PLAN
3610 Gravenstein Highway South
Sebastopol, California



PROJECT NO.: 403.26

DRAWN BY: DEC 10/23/03

CHECKED BY:

APPROVED BY: *[Signature]* 6/7/05

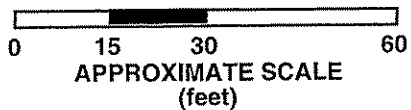
REVISED:

Brunsing Associates, Inc.
P.O. Box 588
Windsor, California

PLATE 3
EXCAVATION AREA MAP
3610 Gravenstein Highway South
Sebastopol, California

LEGEND

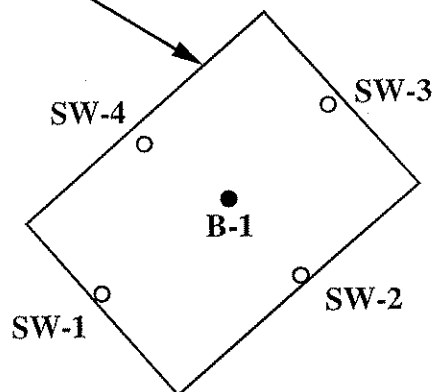
- EX-B1 ● Excavation bottom sample location
- EXSW-1 ○ Excavation sidewall sample location



OFFICE

REPAIR
SHOP

Geophysical
Anomaly
Excavation



PROJECT NO.: 403.26

DRAWN BY: DEC 5/5/05

CHECKED BY:

APPROVED BY: *AMO* 6/7/05

REVISED:

Brunsing Associates, Inc.
P.O. Box 588
Windsor, California

PLATE 5
GEOPHYSICAL ANOMALY
EXCACATION MAP
3610 Gravenstein Highway South
Sebastopol, California

APPENDIX A
Sensitive Receptor Survey Letter





Brunsing Associates, Inc.

March 9, 2005

Project 403

Dear Resident:

Brunsing Associates, Inc. is an environmental consulting firm that is currently performing a groundwater investigation at Lander's Automotive, 3610 Gravenstein Highway South, Sebastopol, California. The investigation is associated with former underground storage tanks that leaked gasoline into the subsurface. As part of the investigation, the **California Regional Water Quality Control Board** and the **Sonoma County Department of Environmental Health** have requested that we locate all wells within the vicinity of 3610 Gravenstein Highway South. The leak was within 1,000 feet of your property. The results of this survey will be used to determine whether the water in the well on your property (should one exist) need to be tested for the presence of gasoline and its constituents. Testing, if required, would be free of charge.

To assist in our investigation, we would appreciate it if you would contact David Conley or Diana Dickerson at Brunsing Associates at (707) 838-3027. Please leave a short message stating your street address and whether or not there is a well on your property. If you have any questions, you can also contact Ms. Darcy Bering at the Sonoma County Department of Environmental Health at (707) 565-6571.

Thank you for your co-operation.

Sincerely,

David E. Conley
Senior Geologist

APPENDIX B
Department of Water Resources Well Logs



ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

No. 141555

State Well No. _____
Other Well No. 648W-18K

(1) OWNER:

Name Frontier Builders
Address 1890 Schaeffer Road
Sebastopol, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any 62-03-46
Township, Range, and Section Jones Lot
Distance from cities, roads, railroads, etc. 3700 Twig Avenue
Sebastopol, California

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other Bucket ☒

(6) CASING INSTALLED:

STEEL: ☒ OTHER: _____

SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	59	8 5/8"	.156	30"	0	59

Size of shoe or well ring: _____

Size of gravel: Fine Pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
39	59	1	5	3/16 x 8

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 20 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing concrete on pack

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 28 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Id. 10 gal./min. with 22 ft. drawdown after _____ hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 59 ft. Depth of completed well 59 ft.

Formation: Describe by color, character, size of material, and structure

ft. to _____ ft.

0 - 3 Soft brown topsoil
3 - 7 Brown sand
7 - 9 Gray sand
9 - 24 brown sandy clay
24 - 35 grey sandy clay
35 - 38 coarse brown wet sand
38 - 42 brown sandy clay
42 - 59 grey hard packed sand

Work started 2-23-76 Completed 2-23-76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Weeks Drilling and Pump Company

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Road

Sebastopol, California 95472

[SIGNED] Gerald G. Thompson

by Mary E. Thompson (Well Driller)

License No. 177681 Dated February 28, 1976

CONFIDENTIAL LOG

Water Code Sec. 13752

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

ORIGINAL

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 118735

of Intent No. _____
 Permit No. or Date _____

State Well No. _____
 Other Well No. LN/8W-18 K?

(1) OWNER: Name Leo HanceAddress 3714 Twig LaneCity Sebastopol, Calif.

Zip _____

(2) LOCATION OF WELL (See instructions): 062-030-45-7County Sonoma Owner's Well Number _____Well address if different from above same

Township _____ Range _____ Section _____

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 99 ft. Depth of completed well 99 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0	- 4	top soil (sandy clay)
4	- 6	brown sandy clay
6	- 8	blueish gray sandy clay
8	- 12	blue sandy clay
12	- 14	birdseye gravel w/water
14	- 18	blue and brown sand
18	- 25	blue clay
25	- 30	blue clayee sand
30	- 35	blue and brown clayee sand w/inbed gravel and wood
35	- 40	yellow and orange clayee sand
40	- 43	yellow sand, gravel w/water w/stks. of yellow
43	- 55	yellow sand, gravel w/water
55	- 60	yellow sand, gravel w/water
60	- 62	orange and brown sand w/water
62	- 78	orange sandy clay w/stks. of orange sand w/water
78	- 80	orange clayee sand
80	- 83	orange sand w/water
83	- 85	orange clayee sand
85	- 86	orange sand w/water w/orange clayee sand stks.
86	- 99	yellow sand w/water

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐Irrigation ☐Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☐Reverse ☐Cable ☐Air ☐Other ☐Bucket ☒

(6) GRAVEL PACK:

Yes ☒ No ☐Size fine peaCharacter of bore birdseyePacked from 20 to 99 ft.

(7) CASING INSTALLED:

Steel ☒Plastic ☐Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Shot size
0	99	8 5/8	8CL160	59	99	3/16x6

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.Method of sealing concrete on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 8 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? WeeksType of test Pump ☐ Bailer ☐ Air lift ☐Depth to water at start of test 8 ft. At end of test 84 ft.Discharge 30 gal/min after 2 1/2 hours Water temperature coolLocal analysis made? Yes ☐ No ☒ If yes, by whom? _____Was electric log made? Yes ☐ No ☒ If yes, attach copy to this reportWork started 9/26/ 19 77 Completed 9/26/ 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald Thompson by Mary Thompson

(Well Driller)

NAME Weeks Drilling & Pump Co.

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Rd.City Sebastopol, Calif.License No. 177681 Date of this report _____

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

AUG 15 1968

Do Not Fill In

No 45122

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

State Well No. 6045
Other Well No. 618-18 K8

(1) OWNER:

Name North Bay Federal Savings & Loan
Address 17 Petaluma Blvd N.
Petaluma, Calif.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any
Township, Range, and Section 4545 Twig Ave.
Distance from cities, roads, railroads, etc. Sebastopol, Calif.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: ☒ SINGLE ☐ DOUBLE ☐ OTHER: ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	335	6 5/8	10	15	0	335

Size of shoe or well ring:

Size of gravel: Pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
255	335	4	1	6 x 3/16

CONFIDENTIAL LOG
Water Code Sec. 7080

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 240 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing pumped grout on pack

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 30 ft.

(10) WELL TESTS:

Was test made? Yes ☐ No ☒ If yes, by whom? bail

50 gal./min. with 55 ft. drawdown after hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 335 ft. Depth of completed well 335 ft.

Formation: Describe by color, character, size of material, and structure

	ft. to	ft.
0	- 8'	Cobbles
8	- 132	Yellow sand, coarse sand
132	- 140	Blue sandy clay streaks yellow sand
140	- 156	Coarse blue sand
156	- 166	Coarse blue sand streaks yellow sand
166	- 225	Yellow sand & gravel
225	- 240	Yellow sand
240	- 265	Blue clay
265	- 272	Blue gravel
272	- 305	Blue clay
305	- 315	Blue gravel streaks blue clay
315	- 323	Blue clay
323	- 335	Blue gravel streaks blue clay

FOR OFFICIAL USE ONLY

Work started July 24 1968, Completed July 29 1968

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP CO., A CORP

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Rd.

Sebastopol, Calif.

[SIGNED] Mary E. Thompson
GERALD THOMPSON BY: MARY E. THOMPSON, PRES.

License No. 166781 Dated Aug. 3, 1968, 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL

File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

CONTROL BOARD No. _____

(Not appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
Nº 107947

THE RESOURCES AGENCY OF CALIFORNIA

State Well No. _____

Other Well No. _____

(1) OWNER:

Name J & R Estates
 Address 700 Piezza Road
Santa Rosa, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any—
 R. F. D. or Street No. Twig Lane, Sebastopol
300 yards East of Gravenstein Union
Elementary School

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
 If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
 Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary Bucket ☒
 Cable ☐
 Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐
 From 0 ft. to 42 ft. 8 Diam. .188 Gage or Wall

If gravel packed

Diameter of Bore	from ft.	to ft.
24"	0	42

Type and size of shoe or well ring

Describe joint Butt weldSize of gravel: pea

(7) PERFORATIONS:

Type of perforator used Torch
 Size of perforations 4 in., length, by 3/16 in.
 From 22 ft. to 42 ft. 4 Perf. per row 1 Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth _____ ft.Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata _____

From _____ ft. to _____ ft.

Method of Sealing Concrete

(9) WATER LEVELS:

Depth at which water was first found 18 ft.Standing level before perforating 18 ft.

Rising level after perforating _____ ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom? bailer testYield: 5 gal./min. with 5 ft. draw down after 1 hrs.Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 42 ft. Depth of completed well 42 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to	2 ft.	Top Soil
2	25	Sandy red clay
25	29	Sandy Red Clay & Gravel
29	34	Sandy gray clay
34	42	Sandy red clay

CONFIDENTIAL LOG
 Water Code Sec. 7080

FOR OFFICIAL USE ONLY

Work started April 4, 1966 Completed April 5, 1966

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ies Petersen Well Drilling Co.Address 5434 Old Redwood Hwy.Santa Rosa, California[SIGNED] Ies Petersen Well Drilling
Well DrillerLicense No. 106989 Dated Jan. 17, 1966

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 119069

Permit No. or Date _____

State Well No. _____
Other Well No. 6N/8W-12

(1) OWNER: Name Nelson Gingery

Address 5221 Lone Pine Road

City Sebastopol, Calif., Zip 95472

(2) LOCATION OF WELL (See instructions):

County Sonoma Owner's Well Number 062-030-11

Well address if different from above - Same -

Township _____ Range _____ Section _____

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 73 ft. Depth of completed well 73 ft.

from ft. to ft. Formation (Describe by color, character, size or material)

0	-	3	Topsoil
3	-	5	Brown sandy clay
5	-	8	Brown sandy clay and gravel
8	-	15	Gray & Yellow clayee sand
15	-	19	Yellow clayee sand
19	-	46	Gray and Yellow sand w/ water
46	-	47	Yellow clayee sand
47	-	55	Yellow sand and gravel w/ water
55	-	60	Yellow and gray sand w/ streaks of wet sand
60	-	68	Yellow clayee sand w/ imbed gravel streaks of the same w/ water
68	-	70	Gray and yellow sand w/ water
70	-	73	Gray clayee sand, gray clay, streak of gray sand w/ water.

(3) TYPE OF WORK:

New Well ☒ Deepening ☐

Reconstruction ☐

Reconditioning ☐

Horizontal Well ☐

Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐

Irrigation ☐

Industrial ☐

Test Well ☐

Stock ☐

Municipal ☐

Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☐

Reverse ☐

Cable ☐

Air ☐

Other ☐

Bucket ☒

(6) GRAVEL PACK:

Yes ☒ No ☐

Size fine pea

Diameter of bore 32"

Packed from 35 to 73 ft.

(7) CASING INSTALLED:

Steel ☒

Plastic ☐

Concrete ☐

(8) PERFORATIONS: torch

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	73	5 5/8	.156	53	73	3/16 x 6

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 35 ft.

Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.

Method of sealing concrete on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 7 1/2 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? Weeks

Type of test Pump ☐ Bailer ☒ Air lift ☐

Depth to water at start of test 7 1/2 ft. At end of test 63 ft.

Flow rate 25+ gal/min after 2 1/2 hours Water temperature cool

Local analysis made? Yes ☐ No ☒ If yes, by whom?

Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 8/23/77 19 _____ Completed 8/25/77 19 _____

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald G. Thompson - By Mary E. Thompson
(Well Driller)

NAME Week Drilling and Pump Company
(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Road

City Sebastopol, California Zip 95472

License No. 17768 Date of this report 8/25/77

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 210728

of Intent No. _____
Permit No. or Date 580-86

State Well No. _____
Other Well No. 06N08W18J

(1) OWNER: Name Donald Gardner
Address 5291 Lone Pine Rd.
City Sebastopol Zip 95472
(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number 62-030-88
Well address if different from above SAME
Township 06N Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 97 ft. Depth of completed well 97 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0 - 2 Top soil
2 - 4 Brown sand
4 - 8 Brown clayey sand
8 - 97 Multi-colored sands

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐

Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK: Monterey

Size ☒ No ☐ Sand 62-28
Diameter of bore 12 1/2 in.
Packed from 51 to 97 ft.

(7) CASING INSTALLED:

Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS: M.P.

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	97	6"	CL200	62	97	032

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 51 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing Sand grout on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion 20' 2" ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? Weeks
Type of test Pump ☐ Bailer ☒ Air lift ☐
Depth to water at start of test 20 ft. At end of test 77 ft.
Flow 20 gal/min after 2 hours Water temperature Cool
Local analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made? Yes ☐ No ☐ If yes, attach copy to this report

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. *Gerald G. Thompson*

SIGNED Gerald G. Thompson, By Ward Thompson

NAME WEEKS DRILLING AND PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address P. O. Box 176

City Sebastopol, CA

Zip 95472

License No. C57-177681

Date of this report _____

WATER WELL DRILLERS REPORT FEB 21 1969
(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In

No 11199

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

State Well No. 352
Other Well No. 04/28/68

(1) OWNER:

Name Norman Rollins
Address 32 Branching Way
Petaluma Calif.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any
5221, Robinson Section
1000 ft. deep, west of Junction of Lone Pine Rd.
& Gravenstein Hwy. 400 ft. south of Lone

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒ Bucket ☒
Cable ☐
Other ☐

(11) WELL LOG:

Total depth 16 1/2 ft. Depth of completed well 16 1/2 ft.
Formation: Describe by color, character, size of material, and structure
0 ft. to 1 ft. Top soil
1 3 Soft white sand
3 11 Hard dry white clay & sa
11 14 soft blue sand stone
14 16 Sticky brown clay
16 16 1/2 Red clay, white sand & grav

(6) CASING INSTALLED:

STEEL: ☐ OTHER: ☒ Concrete Pipe
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	I.D. Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	16 1/2	36"	3 1/8"	50"	13	16 1/2

Size of shoe or well ring:

Size of gravel: Concrete Sand

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
		None		

CONFIDENTIAL LOG
Water Code Sec. 7080

FOR OFFICIAL USE ONLY

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 13 ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From 0 ft. to 13 ft.

From 13 ft. to 16 1/2 ft.

Method of sealing Ready Mix

(9) WATER LEVELS:

Depth at which water was first found, if known 1 ft.

Standing level before perforating, if known 1 ft.

Standing level after perforating and developing 1 ft.

(10) WELL TESTS:

Pump test made? Yes ☐ No ☒ If yes, by whom?

Flow 1 1/2 gal./min. with ft. drawdown after 1 hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

Work started 12/18/68 , Completed 1/4/69

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ballard & Foote
(Person, firm, or corporation) (Typed or printed)

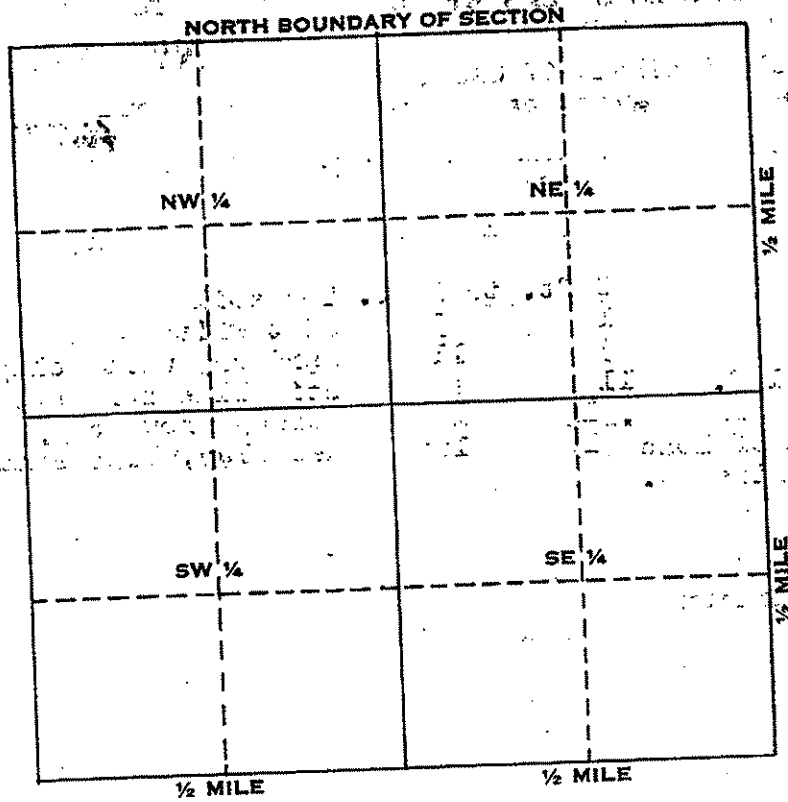
Address 4625 Stoetz Lane
Sebastopol, Calif.

[SIGNED] Robert A. Foote Jr.
(Well Driller)

License No. 185456 Dated 1/24/69 , 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

WELL LOCATION SKETCH



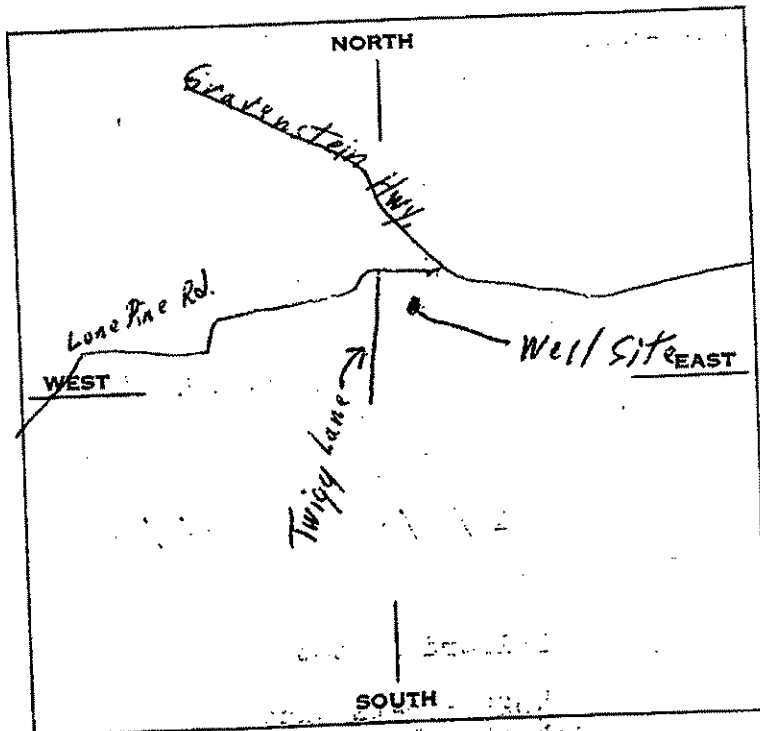
11199

Township _____ N/S

Range _____ E/W

Section No. _____

- A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



- B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

1969 JAN 29 PM 1 14

DEPT. OF WATER
RESOURCES

ORIGINAL
File with DWR

CONFIDENTIAL LOG
Water Code Sec. 13752

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fill In

No 74681

State Well No. _____

Other Well No. 6N/S 15

(1) OWNER:

Name Brad Griffen
Address 5295 Lone Pine Road
Sebastopol, California 95472

(2) LOCATION OF WELL: 062-030-49
County Sonoma Owner's number, if any 5295 5295
Township, Range, and Section Lone Pine Road, Sebastopol
Distance from cities, roads, railroads, etc. _____

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other ☒ Bucket

(6) CASING INSTALLED:

STEEL: ☒ OTHER: _____
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	79	18"	1"	30"	0	79

Size of shoe or well ring: _____

Size of gravel: Pea

Describe joint Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
59	79	1	4	3/16 x 6

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 20 ft.

Were any struts sealed against pollution? Yes ☐ No ☐ If yes, note depth of struts _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing cement on pack

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing _____ ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Yield: 30 gal./min. with 31 ft. drawdown after _____ hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☐

Was electric log made of well? Yes ☐ No ☐ If yes, attach copy _____

(11) WELL LOG:

Total depth 80 ft. Depth of completed well 79 ft.

Formation: Describe by color, character, size of material, and structure

ft. to brown ft.

0	-	2	Sandy brown topsoil
2	-	3	Grey clay
3	-	8	White sand
8	-	9	Grey clay
9	-	11	Orange sandy clay
11	-	16	Grey sandy clay
16	-	25	Brown tight sand
25	-	36	Brown sandy, shaly clay
36	-	49	Orange shale with clay
49	-	78	Orange water-bearing sand
78	-	79	Hard, tight sand

Work started 5-14 19 73 Completed 5-14 19 73

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Weeks Drilling and Pump Company
(Person, firm, or corporation) (Type or printed)

Address 6100 Sebastopol Road

Sebastopol, California 95472

(SIGNED) Gerald C. Thompson R.H. Thompson
(Well Driller)

by Mary E. Thompson Dated June 26, 1973 19 _____

License No. 177681

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

25178-950 9-68 50M TRIP ΔO OSP

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 1
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

Unplotted &
Do Not Fill In
No 112878

THE RESOURCES AGENCY OF CALIFORNIA

State Well No. _____
Other Well No. 64 8-18-65

(1) OWNER:

Name H.A. WHITE

Address P.O. BOX 344

FORESTVILLE CALIF

(2) LOCATION OF WELL:

County SANOMA Owner's number, if any—

R. F. D. or Street No.

5325 LONE PINE RD SEBASTOPOL
20' FROM SOLING
18' FROM EAST LINE

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From 0 ft. to 64 ft. 6" Diam. 12 Gage

If gravel packed

Diameter of Bore from ft. to ft.
12" 10" 64"

Type and size of shoe or well ring
FULL NOSE

Size of gravel: PGH

Describe joint WELDED

(7) PERFORATIONS:

Type of perforator used SHOP

Size of perforations 1/8 in., length, by 4 in.

From 44 ft. to 64 ft. 6 rows per row Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 10 ft.

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft. to ft.

Method of Sealing PURE CEMENT

(9) WATER LEVELS:

Depth at which water was first found 50 ft.

Standing level before perforating ROTARY ft.

ding level after perforating 5 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom? DRILLER

Yield: 5 gal./min. with 50 ft. draw down after 3 hrs.

Temperature of water 63 Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 64 ft. Depth of completed well 64 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to	1 ft.	TOP SOIL
1	5	FINE SAND
5	15	GRAY CLAY
15	40	BROWN CLAY
40	45	GRAY CLAY
45	50	BR CLAY
50	64	GRAY SAND

FOR OFFICIAL USE ONLY

Work started 3-1 1965 Completed 3-2 1965

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME JAMES AND WILKERSON DRILL CO
(Person, firm, or corporation) (Typed or printed)

Address 1617 RONNE DRIVE
SANTA ROSA CALIF

[SIGNED] James Wilkerson
Well Driller

License No. 229913 Dated 3-2 1965

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

Nº 116009

State Well No. _____
Other Well No. 62/8W-18

(1) OWNER:

Name Franklin "Red" Garloff
Address 5400 Lone Pine Rd.
Sebastopol, Calif. 95472

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any 063-100-07
Township, Range, and Section _____
Distance from cities, roads, railroads, etc. SAME

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other ☒ Bucket

(6) CASING INSTALLED:

STEEL: ☒ OTHER: _____
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	60	8 5/8	.156	30"	0	60

Size of shoe or well ring:

Size of gravel: Pea

Describe joint welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
40	60	1	6	3/16 x 6

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 20'

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing concrete on pack

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 8' ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Yd: 40 gal./min. with 32 ft. drawdown after _____ hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy _____

(11) WELL LOG:

Total depth 60 ft. Depth of completed well 60 ft.

Formation: Describe by color, character, size of material, and structure

ft. to _____ ft.

0 - 2 Brown top soil
2 - 14 Brown and white sand, damp
14 - 38 Blue sandy clay
38 - 42 Brown sandy clay, soft
42 - 48 Brown sand, clay, small streaks of wet sand
48 - 50 Coarse brown sand and gravels
50 - 58 Cemented gravels in sandy clay, streaks of wet brown sand
58 - 60 Wet brown sand

CONFIDENTIAL LOG

Water Code Sec. 13752

Work started 6/21/1974 Completed 6/21/1974

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Weeks Drilling & Pump Co.

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Rd.

Sebastopol, Calif. 95472

[SIGNED] Gerald G. Thompson

By Mary E. Thompson (Well Driller)

License No. 177681

Dated _____, 19____

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 240016

of Intent No. _____
Permit No. or Date 112-84

State Well No. _____
Other Well No. 06N08W18

(1) OWNER: Name Jim SmithAddress 1511 Ridley AvenueCity Santa Rosa, CAZip 95401(2) LOCATION OF WELL (See instructions): 63-110-73County Sonoma

Owner's Well Number

Well address if different from above 3659 Mt. Vernon RoadTownship Sebastopol

Range

Section

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 137 ft. Depth of completed well 137 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 5 Sand

5 - 11 Brown sandy clay

11 - 18 Fine loose gravel

17 - 69 Brown and yellow sand

69 - 107 Blue sticky clay

107 - 131 Loose blue gravels

131 - 137 Blue clay

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒Irrigation ☒Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒Reverse ☐Cable ☐Air ☐Other ☐Bucket ☐(6) GRAVEL PACK: 12 x 20Yes ☒ No ☐ Monterey sandDiameter of bore 12 1/4Packed from 33 to 137

(7) CASING INSTALLED:

Steel ☐Plastic ☒Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen Micro-perfs

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	137	6 3/4	CL200	97	137	0.032

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 32 ft.Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.Method of sealing Grout on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 10' ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? WeeksType of test Pump ☐ Bailor ☒ Air lift ☐Depth to water at start of test 10 ft. At end of test 45 ft.Discharge 40 gal/min after 1 hours Water temperature cool() al analysis made? Yes ☐ No ☒ If yes, by whom?Was electric log made? Yes ☐ No ☒ If yes, attach copy to this reportWork started May 14, 1984 Completed May 15, 1984

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald G. Thompson, By: Ward Thompson
(Well Driller)NAME WEEKS DRILLING AND PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)Address P.O. Box 176City Sebastopol, CAZip 95472License No. C57-177681Date of this report May 16, 1984

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 083557

of Intent No. _____
Permit No. or Date 217-79

State Well No. _____
Other Well No. 6N/8W-18

(1) OWNER: Name Robert Falconer
Address 1346 Kawana Springs Rd.
City Santa Rosa, CA Zip 95404

(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number 63-11-37
Well address if different from above 3711 Mt Vernon Rd.
Township Sebastopol Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 79 ft. Depth of completed well 79 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0 - 1 Brown top soil
1 - 3 Brown clay
3 - 5 Brown clay
5 - 12 Brown sand
12 - 15 Fine gravel making water
15 - 30 Sandy clay
30 - 40 Brown sand making water
40 - 50 Blue clay and sandstone
50 - 58 Gray clay
58 - 60 Brown sand making water
60 - 79 Blue clay

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐

Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☐ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☒

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 15 mesh
Diameter of bore 30"
Packed from 18 to 79

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS: Torch

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	79	8 3/8	.156	39	79	1/8x6

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing grout on pack

(10) WATER LEVELS:

Depth of first water, if known 15 ft.
Standing level after well completion 15 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? Weeks
Type of test Pump ☐ Bailor ☐ Air lift ☐
Depth to water at start of test 15 ft. At end of test 40 ft.
Flow rate _____ gal/min after _____ hours Water temperature cool
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 5/18 1979 Completed 5/18 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald Thompson by Ward Thompson

(Well Driller)

NAME Weeks Drilling & Pump Co.

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Rd.

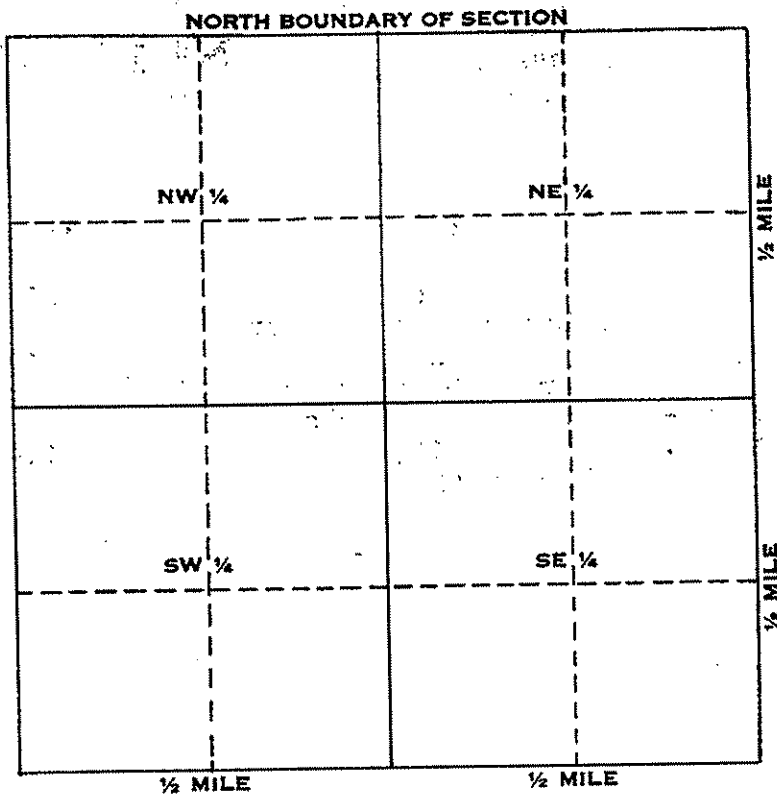
City Sebastopol, CA

License No. C57-177681

Date of this report 5/25/79

WELL LOCATION SKETCH

121771

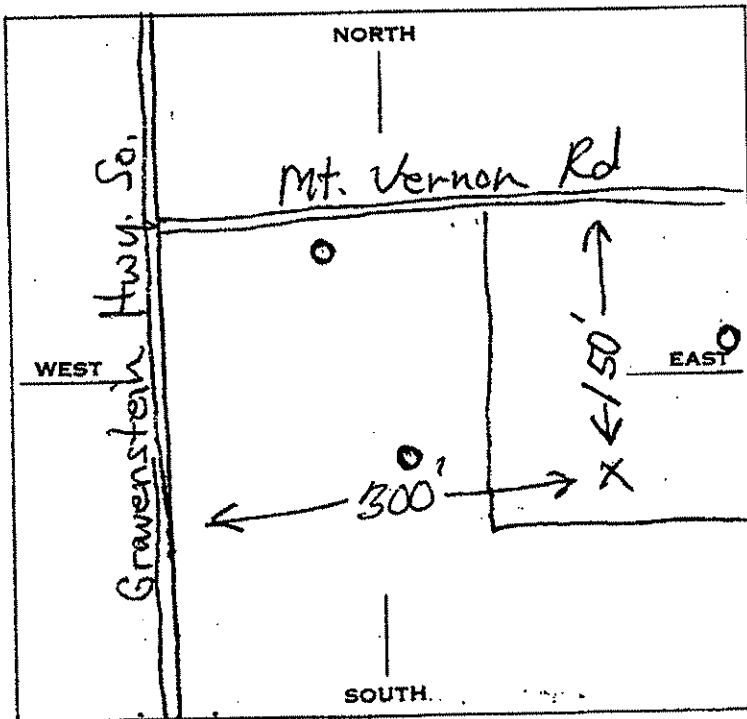


Township 6 N

Range 8 W

Section No. 13

- A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



- B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

1976 AUG 27 AM 10 41

OFFICE OF WATER
RESOURCES

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 177445

Number of Intent No. _____
1 Permit No. or Date 327-84

State Well No. _____
Other Well No. 06N08W18

(1) OWNER: Name Ruth M. SmithAddress 3617 Mt. Vernon DriveCity Sebastopol, CAZip 95472

(2) LOCATION OF WELL (See instructions):

County SonomaOwner's Well Number 063-110-23Well address if different from above same

Township _____ Range _____ Section _____

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 180 ft. Depth of completed well 166 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 3 Topsoil

3 - 9 Sandy yellow clay

9 - 12 Gravel

12 - 23 Sticky gray clay

23 - 30 Gravel

30 - 35 Embedded gravel

35 - 40 Sticky clay with gravel

40 - 50 Sandy yellow clay

50 - 75 Loose sand with streaks of gravel

75 - 87 Sandy yellow clay

87 - 93 Loose sand with some gravel

93 - 134 Blue sticky clay

134 - 147 Sandy blue clay with streaks of

wood

147 - 162 Loose sand with streaks of gravel

162 - 180 Sandy green clay and sticky clay

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe
destruction materials and
procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒Irrigation ☐Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐Cable ☐ Air ☐Other ☐ Bucket ☐(6) GRAVEL PACK: Monterey sandYes ☒ No ☐ Size 12 x 20Diameter of bore 6 3/4 - 7 1/4Packed from 25 to 166 ft.

(7) CASING INSTALLED:

Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	166	5	CL200	88	93	.030
				147	162	.030

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 25 ft.Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.Method of sealing Grout on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 16' ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? WeeksType of test Pump ☐ Bailor ☒ Air lift ☐Depth to water at start of test 16 ft. At end of test 100 ft.Discharge 25 gal/min after 1 hours Water temperature coolChemical analysis made? Yes ☐ No ☒ If yes, by whom?Was electric log made? Yes ☐ No ☒ If yes, attach copy to this reportWork started 10/8 19 84 Completed 10/10 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and the work is true to my knowledge and belief.

SIGNED Ward Thompson for Gerald G. Thompson

(Well Driller)

NAME WEEKS DRILLING AND PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address P. O. Box 476City Sebastopol, CAZip 95472License No. C57-177681 Date of this report Oct. 16, 1984

ORIGINAL

File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No. _____

(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

unplotted

Do Not Fill In

No 123005

State Well No. _____

Other Well No. _____

(1) OWNER:

Name Mr. Don OaklyAddress 3753 Mt. Vernon Road
Sebastopol, California

(2) LOCATION OF WELL:

County SonomaOwner's number, if any— 823-2364

R. F. D. or Street No.

Off Gravenstein Hwy. by Cunningham

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐Cable ☒Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐From 0 ft. to 171 ft. Diam. 8 " .188 "Gage
or
Wall

If gravel packed

Diameter
of Borefrom
ft.to
ft.

Type and size of shoe or well ring

Describe joint

(7) PERFORATIONS:

Type of perforator used WelderSize of perforations 6 in., length, by 1/8 in.From 161 ft. to 171 ft. Perf. per row 4 Rows per ft. 1

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 30 ft.Were any struts sealed against pollution? ☐ Yes ☐ No If yes, note depth of strutsFrom ft. to ft.Method of Sealing Cemented

(9) WATER LEVELS:

Depth at which water was first found 24 ft.Standing level before perforating 24 ft.Rising level after perforating 24 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom?Yield: 7 gal./min. with 150 ft. draw down after 2 hrs.Temperature of water 60 Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 171 ft. Depth of completed well 171 ft.

Formation: Describe by color, character, size of material, and structure.

0	ft. to	3	ft.	Black Soil
3	"	30	"	Yellow Clay
30	"	35	"	Red Sand (some cemented)
35	"	49	"	Yellow xxx Clay
49	"	62	"	Tough Gray Clay
62	"	130	"	Tough Gray Clay
130	"	140	"	Brown & Gray Clay &
	"		"	Packed Sand Cemented
140	"	165	"	Tough Gray Clay
165	"	166	"	Solid Rock with gravel &
	"		"	sand
166	"	171	"	Tough Gray Clay

FOR OFFICIAL USE ONLY

Work started ~~XXXXXX~~ 1966. Completed February 9, 1966

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Petersen-Crislip Drilling & Pump Co.

(Person, firm, or corporation)

(Typed or printed)

Address 5434 Old Redwood Hwy.Santa Rosa, California[SIGNED] Petersen-Crislip Drilling & Pump Co.

Well Driller

License No. 106989Dated February 10, 1966

87649 5-63 28M QUIN @ Δ SPO

DWR 188 (REV. 3-54)

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

No 121771

State Well No.

Other Well No. 4484-18

(1) OWNER:

Name James L. Haugh
Address 3650 Mt. Vernon Rd.
Sebastopol, Cal.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any

Township, Range, and Section

Distance from cities, roads, railroads, etc. 4 mi. South of Sebastopol, 300 ft. East of Gravenstein Hwy.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other ☒

(6) CASING INSTALLED:

STEEL: OTHER:

SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	114	8 5/8	.188	30"	0	114

Size of shoe or well ring: xxx

Size of gravel: 3/8

Describe joint butt weld

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
106	110	4	3	1/8 x 4
82	87	"	"	"
61	66	"	"	"
40	45	"	"	"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth 20 ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing sand slurry

(9) WATER LEVELS:

Depth at which water was first found, if known 18 ft.

Standing level before perforating, if known 17 ft.

Standing level after perforating and developing 17 ft.

(10) WELL TESTS:

Was pump test made? Yes ☒ No ☐ If yes, by whom Driller

Yield: 15 gal./min. with 80 ft. drawdown after 1 hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 114 ft. Depth of completed well 114 ft.

Formation: Describe by color, character, size of material, and structure

0 ft. to 20 ft.

brown sand & water

20 110

brown & yellow sand with streaks of gravel & clay

110 114

blue clay

Work started 6/28 1976 Completed 6/30 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME NUTTING & JENSEN DRILLING
(Person, firm, or corporation) (Typed or printed)

Address 1924 Gravenstein Hwy. So.

Sebastopol, Cal. 95472

[SIGNED] [Signature]
(Well Driller)

License No. 285516 Dated Aug 23 1976

CONFIDENTIAL LOG

Water Code Sec. 13752

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

6N/8W-18 496
unplotted
Do Not Fill In

No 13184

State Well No. _____

Other Well No. _____

CONFIDENTIAL LOG
Water Code Sec. 13752

(1) OWNER:

Name Floyd Dodson
Address 8535 Gravenstien Hwy 50
Sebastopol, Cal.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any _____
Township, Range, and Section 590 East of Hwy 116
230 N. of Aldo
Distance from cities, roads, railroads, etc. Lane-Sebastopol

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL:				OTHER:			
SINGLE <input checked="" type="checkbox"/>				DOUBLE <input type="checkbox"/>			
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.	
0	60	8 7/8	1.88				

Size of shoe or well ring: 2 1/2 x 4 x 5 Size of gravel: _____

Describe joint Butt Weld

(7) PERFORATIONS OR SCREEN:

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
				<u>None</u>

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 12 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata _____

From ft. to 12 ft.

From ft. to _____ ft.

Method of sealing Cement

(9) WATER LEVELS:

Depth at which water was first found, if known 12 ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 26 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom Bailer Test

Rate 30 gal./min. with 35 ft. drawdown after 2 hrs.

Temperature of water Cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy _____

(11) WELL LOG:

Total depth _____ ft. Depth of completed well 102 ft.

Formation: Describe by color, character, size of material, and structure _____

0 - 3 Soil
3 - 12 Yellow Clay
12 - 27 Fine Sand
27 - 45 Blue Clay
45 - 53 Sand & Gravel
53 - 59 Black n Wood
59 - 100 Blue Clay
100 - ? River Gravel

1 block north of
Mount Vernon Road off
of Hwy 116

CONFIDENTIAL LOG
Water Code Sec. 13752

Work started 9-16 19 70, Completed 9-23 19 70

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Clarence Woodbury
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 143 Sebastopol, Cal.

[SIGNED] Clarence Woodbury
(Well Driller)

License No 66981 Dated 10-3 19 70

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 239722

State Well No. _____

Other Well No. 06103W17
 of Intent No. _____
 Permit No. or Date 258-83
(1) OWNER: Name William & Beatrice AllenAddress 3625 Gravenstein Hwy. S.City Sebastopol, CAZip 95472

(2) LOCATION OF WELL (See instructions):

County SonomaOwner's Well Number 62-030-36Well address if different from above -same-

Township _____ Range _____ Section _____

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 155 ft. Depth of completed well 144 ft.

from ft. to ft. Formation (Describe by color, character, size or material)

0 - 2	Topsoil
2 - 3	Clayee yellow sand
3 - 6	Clayee gray sand
6 - 14	Clayee yellow sand
14 - 16	Pink sand
16 - 21	Clayee yellow sand
21 - 42	Clayee yellow sand and yellow sand
42 - 55	Yellow sand with streaks of gravel
55 - 57	Sandy gray clay
57 - 66	Yellow sand and gravel
66 - 84	Clayee yellow and gray sand with streaks of gravel
84 - 98	Stiff gray clay with occasional loose streaks
98 - 113	Yellow sand and gravel
113 - 121	Multi-colored clayee sands with streaks of gravels
121 - 148	Yellow sand and gravels with occasional streaks of clay
148 - 155	Stiff blue clay

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐Irrigation ☐Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒Reverse ☐Cable ☐Air ☐Other ☐Bucket ☐

(6) GRAVEL PACK:

Yes ☐ No ☒Size Montehey sandDiameter of bore 12"Packed from 50 to 144 ft.

(7) CASING INSTALLED:

Steel ☐Plastic ☒Concrete ☐

(8) PERFORATIONS:

Type of perforation 0.25 Weeco screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	144	6"	CL200	120	140	0.020

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.Method of sealing Grout cement on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 6" ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? WeeksType of test Pump ☐ Bailer ☒ Air lift ☐Depth to water at start of test 6" ft. At end of test 60' ft.Flow rate 20 gal/min after 1 hours Water temperature coolLocal analysis made? Yes ☐ No ☒ If yes, by whom? _____Was electric log made? Yes ☒ No ☐ If yes, attach copy to this reportWork started 7/26 19 83 Completed 7/27 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald G. Thompson, By: Ward Thompson

(Well Driller)

NAME WEEKS DRILLING AND PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address P. O. Box 176City Sebastopol, CAZip 95472License No. C57-177681Date of this report August 10, 1983

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 228635

State Well No. _____
Other Well No. 06N08W17

Int No. _____
No. or Date _____

(1) OWNER: Name Carl Bleckert
Address 1790 Bollinger Lane, Sebastopol, CA, 95472
City Sebastopol
(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number 062-030-17-6
Well address if different from above 3790 Gravenstein Hwy. So.
Township Sebastopol Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 220 ft. Depth of completed well 208 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
0 - 4 Sandy topsoil
4 - 15 Clayee orange and gray sand
15 - 17 Yellow sand
17 - 21 Clayee orange and gray sand
21 - 30 Clayee ~~gray~~ sand
30 - 35 Yellow and orange sand
35 - 40 Clayee yellow sand
40 - 74 Loose orange sand with streaks of clayee orange sand

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)
(4) PROPOSED USE:
Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

74 - 76 Clayee orange sand
76 - 85 Clayee yellow sand
85 - 101 Yellow and orange sand with clayee yellow and orange sand
101 - 121 Loose orange sand
121 - 123 Clayee orange sand
123 - 127 Loose orange sand
127 - 132 Clayee yellow sand
132 - 158 Stiff brown clay
158 - 220 Yellow sand

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK Monterey sand
Yes ☒ No ☐ Size 1/8" fine pea
Diameter of bore 12"
Packed from 54 to 220 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	208	6 5/8	156	190	205	.030
						Shaped wire

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 54 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing Sand grout on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion 9' ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? Weeks
Type of test Pump ☐ Bailor ☒ Air lift ☐
Depth to water at start of test 9 ft. At end of test 120 ft.
Discharge 20 gal/min after 2 hours Water temperature cool
Analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was elec. log made? Yes ☒ No ☐ If yes, attach copy to this report

Work started 9/17 19 81 Completed 9/18 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald G. Thompson, By: Ward Thompson
(Well Driller)

NAME WEEKS DRILLING AND PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address P. O. Box 176

City Sebastopol, CA

License No. C57-177681

Zip 95472
Date of this report Sept. 21, 1981

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

6N/8W-18
unplotted
Do Not Fill In

Nº 13185

CONFIDENTIAL LOG
Water Code Sec. 13752

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

State Well No. _____
Other Well No. _____

(1) OWNER:

Name Edward Bartnowski
Address 3533 Cravenstien Hwy So.
Sebastopol Ca

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any _____
Township, Range, and Section _____
Distance from cities, roads, railroads, etc. _____

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL: ☒ SINGLE ☐ DOUBLE
OTHER: ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	78	8 7/8	188			

Size of shoe or well rings _____ Size of gravel: _____

Describe joint Butt Weld

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 26 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing Cement

(9) WATER LEVELS:

Depth at which water was first found, if known 26 ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 27 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Me

At _____ gal./min. with _____ ft. drawdown after _____ hrs.

Temperature of water 60 Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth _____ ft. Depth of completed well 80 ft.

Formation: Describe by color, character, size of material, and structure

ft. to _____ ft.

0 - 3' Soil

3 - 26' Yellow Clay

26 - 51' "Sandy"

51 - 53' Black Mud & Wood

53 - 80' Yellow Clay

80 - Sand & Gravel

CONFIDENTIAL LOG
Water Code Sec. 13752

Work started 9-25 19 70. Completed 10-1 19 70

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Clarence Woodbury
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 143 Sebastopol

[SIGNED] Clarence Woodbury
(Well Driller)

License No. 66981 Dated 10-3 19 70

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

No. 13501

State Well No.

Other Well No. 5459 SN/8W-17P

(1) OWNER:

Name **John Withers**
Address **3961 Gravenstein Hwy. S.**
Sebastopol, Calif.

(2) LOCATION OF WELL:

County **Sonoma** Owner's number, if any
Township, Range, and Section
Distance from cities, roads, railroads, etc. **See reverse**

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Other ☐

(6) CASING INSTALLED:

STEEL: ☒ OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	395	8"	188			

Size of shoe or well ring: 8"

Size of gravel:

Describe joint **welded**

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen **torch**

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
383	393	9	9	fine

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☐ No ☒ To what depth _____ ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata _____

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing **By Owner**

(9) WATER LEVELS:

Depth at which water was first found, if known **372** ft.

Standing level before perforating, if known **38** ft.

Standing level after perforating and developing **38** ft.

(10) WELL TESTS: **Bailer test**

Was pump test made? Yes ☐ No ☒ If yes, by whom?

15 gal./min. with **60** ft. drawdown after **2 1/2** hrs.

Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth **395'** ft. Depth of completed well **395'** ft.

Formation: Describe by color, character, size of material, and structure

Top Soil 0 ft. to **2** ft.

Gry sand-clay-2ft 24

Brn sand qk sand 24 ft to **45 ft.**

" " **45** **110**

" " **110** **117**

Yw sand qk sand **117** **160**

" " **160** **200**

" " **200** **225**

" " **225** **265**

" " **265** **295**

" " **295** **307**

Gry sand " **307** **335**

" " **335** **347**

Bl Clay **347** **350**

" " **350** **372**

Bl sand-gravel **372** **390**

" " **390** **395**

CONFIDENTIAL LOG
Water Code Sec. 7080

FOR OFFICIAL USE ONLY

Work started **11/9** 19 **66**, Completed **11/23** 19 **66**

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME **N.F. Keyt Well Drilling***
(Person, firm, or corporation) (Typed or printed)

Address **605 Sierra Ave.**

Cotati, Calif.

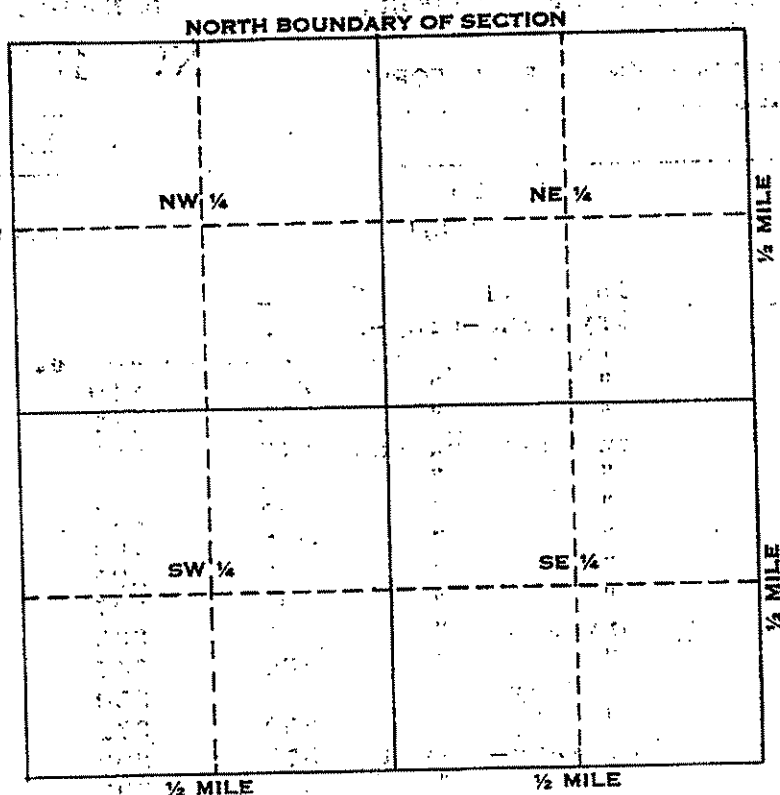
(SIGNED) _____ (Well Driller)

License No. **200068** Dated **11/29/66**, 19 _____

SKETCH LOCATION OF WELL ON REVERSE SIDE

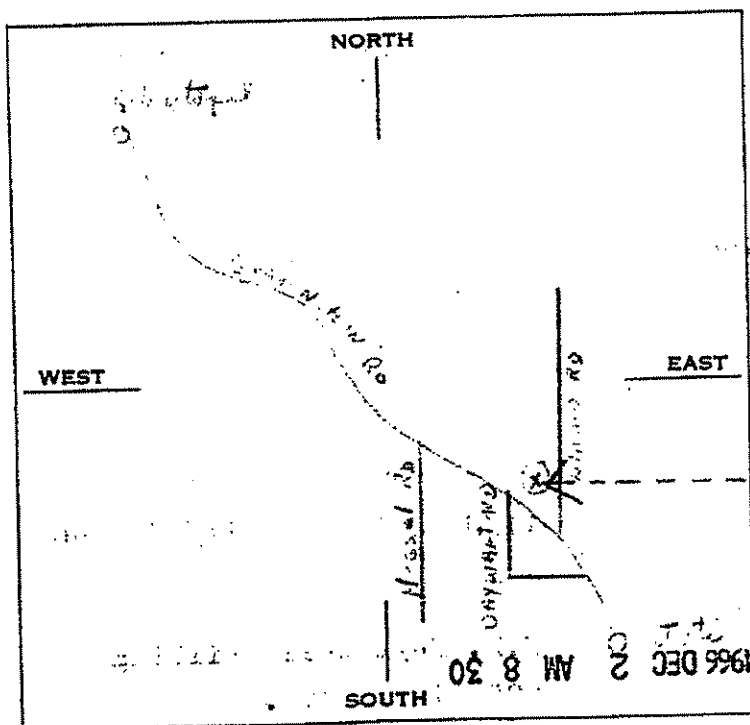
WELL LOCATION SKETCH

13501



Township 6 N7X
 Range 8 E/W
 Section No. 17 P

- A. Location of well in sectionized areas.
 Sketch roads, railroads, streams, or other features as necessary.



- B. Location of well in areas not sectionized.
 Sketch roads, railroads, streams, or other features as necessary.
 Indicate distances.

DEPT. OF WATER RESOURCES

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do Not Fill In

No. 156891

State Well No. 6N/8W-17N
Other Well No. 6N/8W-17N

(1) OWNER:

Name Ransome Vess

Address 3877 Cravenstein Hwy

Sebastopol, Ca. 95472

(2) LOCATION OF WELL:

County Sonoma

Owner's number, if any 3877

Township, Range, and Section Cravenstein Hwy Sebastopol

Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒

Cable ☐

Other ☐

(6) CASING INSTALLED:

STEEL:

OTHER:

SINGLE ☒

DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	327	65/8"	156	12 1/2"	0	22
				10	22	327

Size of shoe or well ring:

Size of gravel: P

Describe joint

Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
285	327	44 Rows down		
		49 Rows Around		3, 16x6"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 22 ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing Grout

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 56 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Flow: 20 gal./min. with 127 ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 327 ft. Depth of completed well 327 ft.

Formation: Describe by color, character, size of material, and structure

ft. to ft.

0-1 Topsoil

1-18 Hard brown clay w/strks of coarse sand

18-59 Yellow soft clay

59-227 Dark brown soft sandy clay w/strks of brown sand

227-262 Brown sandy clay strks of gray sand

262-327 Brown sandy clay w/strks of cemented coarse brown sand

Work started 8, 9, 76 Completed 8, 14, 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Tri-K Drilling 278
(Person, firm, or corporation) (Typed or printed)

Address P.O. Box 3938

Santa Rosa, Ca. 95402

[SIGNED] Frank King (Well Driller)

License No. 245571 Dated 8, 25, 76, 19__

CONFIDENTIAL LOG

Water Code Sec. 13752

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

16-72 SON TRIP 01 OSP

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 245323

Number of Intent No. _____

Permit No. or Date _____

State Well No. _____

Other Well No. 06N08418

(1) OWNER: Name Charles Kozak
Address 6665 Sebastopol Rd.
City Sebastopol, Ca. Zip 95472

(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number _____
Well address if different from above 3721 Twig Ave.
Township Sebastopol Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth _____ ft. Depth of completed well _____ ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 10 yellow sandy clay

10 - 26 blue sandy clay

26 - 28 brown clay

28 - 220 yellow sandy clay

220 - 280 clay w/ stringers of sea gravel

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐Irrigation ☐Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐Cable ☐ Air ☒Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 3/8

Diameter of bore _____

Packed from 20 to 280

(7) CASING INSTALLED:

Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen _____

From ft.	To ft.	Dia. in.	Gage of Wall	From ft.	To ft.	Slot size
0	280	54	200	220	280	1/8
			psi			

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.Method of sealing cement

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 20 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? drillerType of test Pump ☐ Bailor ☒ Air lift ☐Depth to water at start of test 20 ft. At end of test 100 ft.Discharge 50 gal/min after 2 hours Water temperature _____Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____Was electric log made? Yes ☐ No ☒ If yes, attach copy to this reportWork started 6-6-82 Completed 6-18-82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED JOHN FISCH by kathy baker

(Well Driller)

NAME FISCH BROS. DRILLING INC.

(Person, firm, or corporation) (Typed or printed)

Address 5001 Gravenstein Hwy/ N.City Sebastopol, Ca. Zip 95472License No. 399226 Date of this report 6-18-82

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

6N/8W-18K92
unplotted
Do Not Fill In

Nº 46016

State Well No. _____

Other Well No. _____

CONFIDENTIAL LOG
Water Code Sec. 7080

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

(1) OWNER:

Name Raymond Bauer
Address P.O. Box 28
Cotati, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any _____
Township, Range, and Section 3739 Twig Avenue
Distance from cities, roads, railroads, etc. Sebastopol, California

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: _____ OTHER: _____
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage % W&M	Diameter of Bore	From ft.	To ft.
0	59	18"	10	30	0	59

Size of shoe or well ring:

Size of gravel: Birdseye

Describe joint Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
39	59	10	1	6 x 5/32

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 13 ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From _____ ft. to _____ ft.

From _____ ft. to _____ ft.

Method of sealing Cement on Pack

(9) WATER LEVELS:

Depth at which water was first found, if known _____ ft.

Standing level before perforating, if known _____ ft.

Standing level after perforating and developing 11 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Bail

10 gal./min. with 29 ft. drawdown after _____ hrs.

Temperature of water Cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 59 ft. Depth of completed well 59 ft.

Formation: Describe by color, character, size of material, and structure

ft. to _____ ft.

0-3 Top Soil

3-13 Grey and Brown Sand

13-17 Stiff Grey Clay

17-24 White Sand

24-43 Orange Sand

43-50 Orange Sandy Clay

50-59 Orange Sand.

CONFIDENTIAL LOG

Water Code Sec. 7080

Work started 8 August, 69, Completed 11 August, 69

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING AND PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)

Address 6100 SEBASTOPOL ROAD

SEBASTOPOL, CALIFORNIA 95472

[SIGNED] Mary E. Thompson

GERALD THOMPSON BY: MARY THOMPSON, PRESIDENT.

License No. 17681 Dated August 16, 1969

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL
File with DWR

CONFIDENTIAL LOG
Water Code Sec. 13752

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

CONFIDENTIAL LOG
Water Code Sec. 13752

Do Not Fill In

No 156877

State Well No.

Other Well No. 6N/8W-18

(1) OWNER:

Name **Robert O'Neil**

Address **3749 Twig Ave.**

Sebastopol, Ca. 95472

(2) LOCATION OF WELL:

County **Sonoma**

Owner's number, if any **3749**

Township, Range, and Section **Twig Ave. Sebastopol**

Distance from cities, roads, railroads, etc.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒

Cable ☐

Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:

SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam. in.	Gage or Wall in.	Diameter of Bore in.	From ft.	To ft.
0	228	65.8	156	12 1/2	0	22
				10	22	228

Size of shoe or well ring:

Size of gravel: **P**

Describe joint

Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
220	228	9 Rows down		
		4 Rows around		3, 16x6"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth **35** ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing **Neat Cement**

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing **11** ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom?

Flow: **30** gal./min. with **175** ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth **228** ft. Depth of completed well **228** ft.

Formation: Describe by color, character, size of material, and structure

ft. to ft.

0-6 Brown sandy clay w/strks of coarse brown sand

6-18 Blue sandy clay w/gravel

18-33 Blue sandy clay

33-64 Blue sandy clay w/gravel

64-86 Brown sandy clay

86-112 Brown sandy clay w/gravel

112-151 Brown sandy clay

151-164 Brown sandy clay w/strks of tight gravel

164-183 Brown sandy clay

183-201 Brown sandy clay w/strks of tight gravel

201-226 Brown sandy clay w/strks of loose

pea gravel

226-228 Hard brown clay

Work started **6, 10, 76** 19 Completed **6, 14, 76** 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME **Tri-K Drilling**

(Person, firm, or corporation) (Typed or printed)

Address **P.O. Box 3938**

Santa Rosa, Ca. 95402

[SIGNED] **Frank King** (Well Driller)

License No. **245571** Dated **6, 23, 76** 19

SKETCH LOCATION OF WELL ON REVERSE SIDE

Do Not Fill In
No. 23728
State Well No. 64714-18 K8-
Other Well No. _____

1) OWNER:
Name Paul Moore
Address 3760 Twigg Lane
Sebastopol Calif.
(2) LOCATION OF WELL:
County Sonoma Owner's number, if any— 3
R. F. D. or Street No. Open
40 ft west of Twigg Lane
80 ft S of rd line

(3) TYPE OF WORK (check):
 New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
 If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
 Domestic ☒ Industrial ☐ Municipal ☐
 Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
 Rotary ☐
 Cable ☐
 Dug Well ☒

(6) CASING INSTALLED: _____

SINGLE ☒ DOUBLE ☐

From	ft. to	ft.	Diam.	Gage or Wall	Diameter of Bore	from ft.	ft.
0	26	11	4 1/2	D			

Type and size of shoe or well ring _____

Describe joint _____

If gravel packed _____

(7) PERFORATIONS:									
Type of perforator used									
Size of perforations		in., length, by							
From	ft. to	ft.	Perf. per row						Rows per ft.
1/2	1/2	1/2	12	12	12				36
3/4	3/4	3/4	24	24	24				72
1	1	1	48	48	48				144
1 1/4	1 1/4	1 1/4	96	96	96				288
1 1/2	1 1/2	1 1/2	144	144	144				432
1 3/4	1 3/4	1 3/4	192	192	192				576
2	2	2	288	288	288				864
2 1/4	2 1/4	2 1/4	384	384	384				1152
2 1/2	2 1/2	2 1/2	432	432	432				1296
2 3/4	2 3/4	2 3/4	480	480	480				1440
3	3	3	576	576	576				1728
3 1/4	3 1/4	3 1/4	672	672	672				2016
3 1/2	3 1/2	3 1/2	720	720	720				2160
3 3/4	3 3/4	3 3/4	816	816	816				2448
4	4	4	912	912	912				2736
4 1/4	4 1/4	4 1/4	1008	1008	1008				3024
4 1/2	4 1/2	4 1/2	1056	1056	1056				3168
4 3/4	4 3/4	4 3/4	1152	1152	1152				3456
5	5	5	1248	1248	1248				3744
5 1/4	5 1/4	5 1/4	1344	1344	1344				4032
5 1/2	5 1/2	5 1/2	1392	1392	1392				4176
5 3/4	5 3/4	5 3/4	1488	1488	1488				4464
6	6	6	1584	1584	1584				4752
6 1/4	6 1/4	6 1/4	1680	1680	1680				5040
6 1/2	6 1/2	6 1/2	1728	1728	1728				5184
6 3/4	6 3/4	6 3/4	1824	1824	1824				5472
7	7	7	1920	1920	1920				5760
7 1/4	7 1/4	7 1/4	2016	2016	2016				6048
7 1/2	7 1/2	7 1/2	2064	2064	2064				6192
7 3/4	7 3/4	7 3/4	2160	2160	2160				6480
8	8	8	2256	2256	2256				6768
8 1/4	8 1/4	8 1/4	2352	2352	2352				7056
8 1/2	8 1/2	8 1/2	2400	2400	2400				7200
8 3/4	8 3/4	8 3/4	2496	2496	2496				7488
9	9	9	2592	2592	2592				7776
9 1/4	9 1/4	9 1/4	2688	2688	2688				8064
9 1/2	9 1/2	9 1/2	2736	2736	2736				8208
9 3/4	9 3/4	9 3/4	2832	2832	2832				8496
10	10	10	2928	2928	2928				8784
10 1/4	10 1/4	10 1/4	3024	3024	3024				9072
10 1/2	10 1/2	10 1/2	3072	3072	3072				9216
10 3/4	10 3/4	10 3/4	3168	3168	3168				9504
11	11	11	3264	3264	3264				9792
11 1/4	11 1/4	11 1/4	3360	3360					

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth _____

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata _____

From	ft. to	ft.

Method of Sealing _____

(9) WATER LEVELS:

Depth at which water was first found	12
Standing level before perforating	
ding level after perforating	

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: 440 3 gal./min. with ft. draw down after

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth	ft.	Depth of completed well	ft.
26		26	
Formation: Describe by color, character, size of material, and structure.			
ft. to		ft.	
0	3		Topsoil
3	12		Hard sand
12	19		white clay with gravel
19	21		gravel & sand
21	26		white sand

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6 6
5 5
4 4
3 3
2 2
1 1

FOR OFFICIAL USE ONLY

Work started 6/18 19 56. Completed 6/20 19 56

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ballard & Fort
(Person, firm, or corporation) (Typed or printed)

Address 4731 South 4th
Sebastopol Calif.

[SIGNED] Carl Ballard
Well Driller

License No. 144584 Dated 8/14 19 56

DEARO 3-54 SDM QUIN (R) EPO. DWR FORM NO. 246 (REV. 3-54)

DEC 27 1968

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In

Nº 17056

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCESState Well No. _____
Other Well No. 6262 6/8-18K

(1) OWNER:

Name Herbert Sanders
Address 758 Brush Creek Road
Santa Rosa, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any _____
Township, Range, and Section _____
Distance from cities, roads, railroads, etc. 3768 Twig Avenue
Sebastopol, California

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Other ☒

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam. in.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	10	18"	12	30	0	40

Size of shoe or well ring:

Size of gravel: Birdseye

Describe joint Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
25	40	20	1	6 x 3/16

CONFIDENTIAL LOG
Water Code Sec. 7080

FOR OFFICIAL USE ONLY

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 10 ft.Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing Cement on Pack

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 10 ft.

(10) WELL TESTS:

Pump test made? Yes ☐ No ☒ If yes, by whom? Bail

10 gal./min. with 25 ft. drawdown after hrs.

Temperature of water Cool Was a chemical analysis made? Yes ☐ No ☒Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

Work started 3 Dec. 1968, Completed 4 Dec. 1968

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Weeks Drilling & Pump Company
(Person, firm, or corporation) (Typed or printed)Address 6100 Sebastopol Road
Sebastopol, California 95472

[SIGNED]

GERALD THOMPSON by: MARVIN L. THOMPSON President

License No. 177681 Dated 7 December 1968

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR FORM NO. 246 (REV. 3-54)

ORIGINAL

File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No. 1
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In

No. 70791

State Well No.

Other Well No.

(1) OWNER:

Name HERMAN STOCKAddress 3845 Twig AvenueSebastopol, California

(2) LOCATION OF WELL:

County Sonoma

Owner's number, if any—

R. F. D. or Street No.

3845 Twig AvenueSebastopol, California

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒Cable ☐Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐From 0 ft. to 225 ft. 8 5/8" Gage or diam.10 ft. 10 ft.

If gravel packed

Diameter of hole from 2 1/2" to 0 ft.225Type and size of shoe or well ring NoneSize of gravel: PeaDescribe joint Welded

(7) PERFORATIONS:

Type of perforator used TorchSize of perforations 6 in., length, by 3/16 in.From 190 to 225 ft. 8 Perf. per row 1 Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 101 ft.Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strataFrom ft. to ft.Method of Sealing Cement on Pack

(9) WATER LEVELS:

Depth at which water was first found ft.Standing level before perforating ft.Rising level after perforating 40 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom? BailerYield: 40 gal./min. with 60 ft. draw down after hrs.Temperature of water Cool Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 225 ft. Depth of completed well 225 ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft.	Material
0	3	Top Soil
3	16	Red Sand
16	43	Coarse Brown Sand & Small Gravel
43	81	Gray Sandy Clay & Brown Sand
81	102	Blue Sandy Clay
102	109	Sand, Gravel (Coarse)
109	116	Blue Clay, Sand & Gravel
116	150	Coarse Sand & Gravel
150	168	Large Gravel with Streaks of Clay
168	189	Large Gravel & Brown Clay
189	211	Blue Sand & Gravel
211	225	Blue Sandy Clay

FOR OFFICIAL USE ONLY

Work started 3/18/ 19 65 Completed 3/23/ 19 65

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol RoadSebastopol, California[SIGNED] Gerald Thompson DrillerLicense No. 177681 Dated 3/24/ 19 65

ORIGINAL

File Original, Duplicate and Triplicate with the

REGIONAL WATER POLLUTION

CONTROL BOARD No. 1

(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA

unpotted
Do Not Fill In
N^o 113153

State Well No.

Other Well No. 618-18K9

(1) OWNER:

Name GOTTER CONSTRUCTION
Address 5243 Val Lee
Sebastopol, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any—
R. F. D. or Street No.
Twig Avenue
Sebastopol, California

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐From 0 ft. to 58 ft. 6 3/8 in. 12 ft. Gage or Wall
Diameter of Borehole from ft. 0 to ft. 58

If gravel packed

Type and size of shot or well ring

BullnoseSize of gravel: Pea

Describe joint

Welded

(7) PERFORATIONS:

Type of perforator used TorchSize of perforations 6 in., length, by 3/16 in.
From 38 ft. to 58 ft. 5 Perf. per row 1 Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 14 ft.Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft. to ft.

Method of Sealing Cement on Pack

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Rising level after perforating 18 ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom? BallYield: 10 gal./min. with 22 ft. draw down after hrs.Temperature of water Cool Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 58 ft. Depth of completed well 58 ft.

Formation: Describe by color, character, size of material, and structure.

0	ft. to	2	ft.	Top Soil
2	"	18	"	Brown Clayey Sand with
	"		"	Streaks of Clay
18	"	21	"	Gray Sand & Gravel
21	"	28	"	Brown Clayey Sand with
	"		"	Seams of Gravel
28	"	30	"	Sand & Gravel
30	"	32	"	Brown Clayey Sand
32	"	34	"	Cemented Sand, Gravel
	"		"	& Boulders
34	"	58	"	Tight Orange Sand

FOR OFFICIAL USE ONLY

Work started 11/27/ 1965 . Completed 11/27/ 1965

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol RoadSebastopol, California

[SIGNED]

Mary E. Thompson
GERALD THOMPSON-By: MARY E. THOMPSONLicense No. 177681Date 12/13/65 Pres.

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

Do Not Fill In

No 19363

State Well No.

Other Well No. 6N/8W-18 K9

CONFIDENTIAL LOG

Water Code Sec. 13752

THE RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

(1) OWNER:

Name Weare Enterprises
Address 2644 Elizabeth Court
Sebastopol, Calif.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any
Township, Range, and Section
Distance from cities, roads, railroads, etc. Twig Ave., Sebastopol

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☐ DOUBLE ☒

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	68	18"	10	30	0	68

Size of shoe or well ring:

Size of gravel: Pea

Describe joint

Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen

Torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
45	68	12	1	6 x 3/16

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 19 ft.

Were any struts sealed against pollution? Yes ☐ No ☐ If yes, note depth of struts

From ft. to ft.

From ft. to ft.

Method of sealing Cement Grout on Pack

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 16 ft.

(10) WELL TESTS:

Is pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Field: 5 gal./min. with 44 ft. drawdown after hrs.

Temperature of water COOL Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 68 ft. Depth of completed well 68 ft.

Formation: Describe by color, character, size of material, and structure

ft. to ft.

0 -1 Topsoil
1 -11 Orange & Brown Sandy Clay
11 -23 Gray & Brown Sandy Clay w/
Embedded Gravels
23 -26 White Sand
26 -32 Orange & Pink Sand
32 -50 Brown & White Cemented Sand
50 -55 Yellow & Brown Sand
55 -58 Brown Sticky Clay
58 -68 Yellow & Brown Sand

Work started 19 , Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Road
Sebastopol, Calif.

[SIGNED] Gerald G. Thompson

By Mary E. Thompson (Well Driller)

License No. 177681 Dated 12/25, 1977

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG

Water Code Sec. 13752

ORIGINAL

File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTIONCONTROL BOARD No. _____
(if appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No 80227

State Well No. _____

Other Well No. 618-18 K-8

4717

OWNER:

Name George Wilson
Address 5295 Lone Pine Road
SEBASTOPOL, CALIFORNIA

(2) LOCATION OF WELL:

County SONOMA Owner's number, if any—
R. F. D. or Street No. TRIG LANE $\frac{1}{2}$ mile south of
Lone Pine Rd. 200 ft east of Trig Lane

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotar ☒ BUCKET ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐From ft. to ft. Diam. Gage
of Wall
" 0 27 27" I.D.s

CONCRETE PIPE

If gravel packed

Diameter of Bore from to
ft. ft. ft.
49" " "
No Gravel Pack

Type and size of shoe or well ring

Describe joint

(7) PERFORATIONS:

Type of perforator used None

Size of perforations	in., length, by	in.
From ft. to ft.	Perf. per row	Rows per ft.
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strataFrom ft. to ft.
" 0 15 "Method of Sealing 2 1/2 yards ready mix (6 bag)

(9) WATER LEVELS:

Depth at which water was first found 12 ft.

Standing level before perforating ft.

Level after perforating ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?Yield approx. 3 gal./min. with ft. draw down after hrs.Temperature of water cool Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 27 feet ft. Depth of completed well 27 foot ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft.	
0	3	top soil
3	10	red sandy clay
10	12	coarse white sand
12	13	red & yellow clay
13	18	red sandy clay
18	25	red (quick) sand
25	27	red (coarse) sand

FOR OFFICIAL USE ONLY

Work started 7/23/64 19 , Completed 7/24/64 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BALLARD & FOOTE

(Person, firm, or corporation)

(Typed or printed)

Address 4625 Stoetz Lane
SEBASTOPOL, CALIF.

[SIGNED]

Robert H. Stoetz Jr.
Well Driller 9/27/64License No. 185456

Dated _____, 19__

ORIGINAL
File with DWR

WATER WELL DRILLERS REPORT
(Sections 7079, 7080, 7081, 7082, Water Code)

6N/RW-18K 80
Do Not Fill In

Nº 15818

CONFIDENTIAL LOG
Water Code Sec. 13752

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

State Well No. 06N08W18
Other Well No. 06N08W18K 81

(1) OWNER:

Name Hernandez, Greg
Address 5215 Santa Rosa Ave.
Santa Rosa, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any
Township, Range, and Section Cor. Twig Ave. & Denver Lane
Distance from cities, roads, railroads, etc. Sebastopol, Calif.

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: ☒ OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	54	18"	1/2"	30	0	54

Size of shoe or well ring:

Size of gravel: Birdsye

Describe joint

welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen torch

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
34	54	1	10	1/8 x 6

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 18' ft.

Were any strata sealed against pollution? Yes ☐ No ☐ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing cement on pack

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 18 ft.

(10) WELL TESTS:

Is pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Flow: 15 gal./min. with 18 ft. drawdown after hrs.

Temperature of water cool Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

(11) WELL LOG:

Total depth 54 ft. Depth of completed well 54 ft.

Formation: Describe by color, character, size of material, and structure

ft. to ft.

0 - 2 Topsoil
2 - 5 Tight orange & yellow sand
5 - 9 " white sand
9 - 18 Red & yellow sand
18 - 23 Red sand with seams of gravel
23 - 27 Red sand
27 - 49 Cemented red & yellow sand with
seams of loose sand & gravels
49 - 54 Yellow sand with small gravels

CONFIDENTIAL LOG

Water Code Sec. 13752

Work started 8-10 19 70 Completed 8-10 19 70

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)

Address 6100 SEBASTOPOL ROAD
SEBASTOPOL, CALIFORNIA 95472

[SIGNED] GERALD THOMPSON

By MARY E. THOMPSON (Well Driller)
License No. 177681 Dated AUGUST 15, 19 70

SKETCH LOCATION OF WELL ON REVERSE SIDE

File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Unplotted

Do Not Fill In
Nº 113199

CONTROL BOARD No. 1
(if appropriate number)

THE RESOURCES AGENCY OF CALIFORNIA

State Well No. _____
Other Well No. 218-18

(1) OWNER:

Name CHARLES CUNNINGHAM
Address P. O. Box 45
Millbrae, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any—
R. F. D. or Street No.
5505 Lone Pine Road
Sebastopol, California

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
 if abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(S) EQUIPMENT:

Rotary	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>
Dug Well	<input type="checkbox"/>

(6) CASING INSTALLED:

SINGLE <input checked="" type="checkbox"/> DOUBLE <input type="checkbox"/>		Gage or	Diameter of Bore		from	ft.	ft.
From	0 ft. to	60 ft. 8 5/8" 10 1/2"	30	0	50		
1"	11	22	31	1	51		
2"	12	23	32	2	52		
3"	13	24	33	3	53		
4"	14	25	34	4	54		
5"	15	26	35	5	55		
6"	16	27	36	6	56		
7"	17	28	37	7	57		
8"	18	29	38	8	58		
9"	19	30	39	9	59		
10"	20	31	40	10	60		

Type and size of shot or well ring	Bullnose	Size of gravel:	Pea
Describe joint	Welded		

(7) PERFORATIONS:

Type of perforator used		Torch		in., length, by		3/16 in.	
Size	of perforations	6					
From 15 ft. to 60 ft.	6			Perf. per row	1	Rows per ft.	
11	11	11		11 11 11		11 11 11	
11	11	11		11 11 11		11 11 11	
11	11	11		11 11 11		11 11 11	
11	11	11		11 11 11		11 11 11	

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth _____ ft.

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From _____ ft. to _____ ft.

“ “ “

Method of Sealing _____

(9) WATER LEVELS:

Depth at which water was first found	ft.
Lining level before perforating	ft.
Lining level after perforating <i>A</i>	ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom? Bailer
Yield: 15 gal./min. with 36 ft. draw down after hrs
Temperature of water Cool Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 60 ft. Depth of completed well 60 ft.

Formation: Describe by color, character, size of material, and structure.

0	ft. to	1	ft.	Top Soil
1	"	8	"	Fine Brown Sand
8	"	17	"	Fine Brown Sand & Gravel
17	"	29	"	Brown & Orange Sand
29	"	51	"	Brown Sand
51	"	54	"	Orange Sandy Clay
54	"	57	"	Orange Sand
57	"	60	"	Brown Sandy Clay

FOR OFFICIAL USE ONLY

Work started 6/4/ 19 64, Completed 6/5/ 19 64

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME WEEKS DRILLING & PUMP COMPANY
(Person, firm, or corporation) (Typed or printed)

Address 6100 Sebastopol Road
Sebastopol, California

[SIGNED] Gerald Thompson
GERALD THOMPSON Driller

License No. 177681 Dated 6/6/, 19 64

ORIGINAL

File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION

CONTROL BOARD No. _____

(or appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code) 5316

THE RESOURCES AGENCY OF CALIFORNIA

unplotted

Do Not Fill In
Nº 123042

State Well No. _____

Other Well No. 6/8-18

OWNER:

Name E. R. Kunney

Address 5635 Lone Pine Road
Sebastopol, California

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any—

R. F. D. or Street No. 5635 Lone Pine Road. Off
Gravenstein Hwy.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary Bucket ☒
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From 0 ft. to 40 ft. Diam. 188 Gage or Wall

If gravel packed

Diameter of Bore from ft. to ft.
24 6 40

Type and size of shoe or well ring none

Describe joint butt welded

Size of gravel: pea

(7) PERFORATIONS:

Type of perforator used torch

Size of perforations 4 in., length, by 3/16 in.

From 20 ft. to 40 ft. 4 Perf. per row 1 Rows per ft.

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 6 ft.Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing Concrete

(9) WATER LEVELS:

Depth at which water was first found 8 ft.

Standing level before perforating 8 ft.

ing level after perforating 8 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom? driller

Yield: 5 gal./min. with 12 ft. draw down after 2 hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☒ NoWas electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 40 ft. Depth of completed well 40 ft.

Formation: Describe by color, character, size of material, and structure.

0	ft. to	3	ft.	Top Soil
3		10		Sandy Yellow Clay
10		13		Grey Sand
13		37		Yellow Sand
37		40		Blue Clay

CONFIDENTIAL LOG

Water Code Sec. 7080

FOR OFFICIAL USE ONLY

Work started 4-28-1966. Completed 5-2-1966

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Les Petersen Well Drilling Co.

Address 5434 Old Redwood Hwy.

Santa Rosa, California

[SIGNED] Les Petersen Well Drilling

C-57 License No. 106989 Dated June 9, 1966

SC-61

87649 5-63 25M GUIN (1) A SPO

DWR 188 (REV. 3-54)

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 1
(Insert appropriate number)

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In

No. 23194

State Well No. 6N/8W-18 F8

Other Well No. _____

2362

(1) OWNER:

Name H. D. Pierce
Address 5660 Lone Pine Rd
Sebastopol Calif.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any— 1
R. F. D. or Street No. Box 48 No of Lone Pine
400 ft. west of
Highway to
Carmichael

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☐
Dug Well ☒

(6) CASING INSTALLED:

SINGLE ☒ DOUBLE ☐

From ft. to ft. Dism. 4' 5"

If gravel packed

Diameter of Bore from ft. to ft.

Type and size of shoe or well ring

Describe joint

(7) PERFORATIONS:

Type of perforator used

Size of perforations	in., length, by	in.
From ft. to ft.	Perf. per row	Rows per ft.
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☒ No If yes, note depth of strata

From ft. to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found 17 ft.

Standing level before perforating

Static level after perforating

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: 3 gal./min. 34 draw down after hrs.

Temperature of water

Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth 34 ft. Depth of completed well 34 ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft.	
0	2	Topsoil
2	8	Red Clay
8	13	Yellow Clay
13	17	Yellow Sand
17	36	Red sand with fine pink clay
36	34	Red Sand

FOR OFFICIAL USE ONLY

Work started 8/1 1957 Completed 8/4 1957

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Ballard & Foote (Person, firm, or corporation) (Typed or printed)

Address 4731 Stock Lane
Sebastopol Calif.

[SIGNED]

License No. 149584

Dated 8/16 1957

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

ERM
Do Not Fill In

No 151607

State Well No.
Other Well No. 6N/8W-18E

(1) OWNER: Name <u>Robert L. Funez</u> Address <u>5570 Lone Pine Road</u> <u>Sebastopol, CA</u>				(11) WELL LOG: Total depth <u>50</u> ft. Depth of completed well <u>50</u> ft. Formation: Describe by color, character, size of material, and structure <u>0</u> ft. to <u>16</u> ft. <u>white fine sand, loose</u> <u>16' - 22'</u> <u>gravel, clean, black, soft</u> <u>22' - 45'</u> <u>fine sand with silt, white, soft</u> <u>45' - 50'</u> <u>gravel, brown, clean,</u>																	
(2) LOCATION OF WELL: County <u>Sonoma</u> Owner's number, if any Township, Range, and Section Distance from cities, roads, railroads, etc. <u>3-1/2 miles from city</u>																					
(3) TYPE OF WORK (check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Destroying <input type="checkbox"/> If destruction, describe material and procedure in Item 11.																					
(4) PROPOSED USE (check): Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/>				(5) EQUIPMENT: Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Other <u>Bucket</u> <input checked="" type="checkbox"/>																	
(6) CASING INSTALLED: STEEL: <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/> SINGLE <input checked="" type="checkbox"/> DOUBLE <input type="checkbox"/> If gravel packed <table border="1"><thead><tr><th>From ft.</th><th>To ft.</th><th>Diam.</th><th>Gage or Wall</th><th>Diameter of Bore</th><th>From ft.</th><th>To ft.</th></tr></thead><tbody><tr><td>0</td><td>50</td><td>8</td><td>188</td><td>30"</td><td>20</td><td>50</td></tr></tbody></table> Size of shoe or well ring: <u>0</u> Size of gravel: <u>3/8" pea</u> Describe joint <u>weld</u>				From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.	0	50	8	188	30"	20	50				
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.															
0	50	8	188	30"	20	50															
(7) PERFORATIONS OR SCREEN: Type of perforation or name of screen <u>saw slot</u> <table border="1"><thead><tr><th>From ft.</th><th>To ft.</th><th>Perf. per row</th><th>Rows per ft.</th><th>Size in. x in.</th></tr></thead><tbody><tr><td>30</td><td>50</td><td>2</td><td>6</td><td>2-1/2 x 1/8"</td></tr></tbody></table>				From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.	30	50	2	6	2-1/2 x 1/8"								
From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.																	
30	50	2	6	2-1/2 x 1/8"																	
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> To what depth <u>10</u> ft. Were any strata sealed against pollution? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note depth of strata From ft. to ft. From ft. to ft. Method of sealing <u>concrete</u>				Work started <u>6/25</u> 19 <u>76</u> Completed <u>6/26/19</u> 76																	
(9) WATER LEVELS: Depth at which water was first found, if known <u>16</u> ft. Standing level before perforating, if known <u>16</u> ft. Standing level after perforating and developing <u>16</u> ft.				WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. NAME <u>David Anderson, A & K Drilling</u> (Person, firm, or corporation) (Typed or printed) Address <u>1708 Putnam Way, Petaluma, CA 94952</u> [SIGNED] <u>David L. Anderson</u> (Well Driller)																	
(10) WELL TESTS: Was pump test made? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, by whom? Yield: <u>50</u> gal./min. with <u>16</u> ft. drawdown after <u>16</u> hrs. Temperature of water <u>16</u> Was a chemical analysis made? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Was electric log made of well? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, attach copy				License No. <u>307800</u> Dated <u>August 1</u> , 19 <u>76</u>																	

CONFIDENTIAL LOG
Water Code Sec. 13752

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG
Water Code Sec. 13752

COUNTY OF SONOMA PUBLIC HEALTH SERVICE
1313 Chanate Road
Santa Rosa, California 95404
Telephone 527-2711

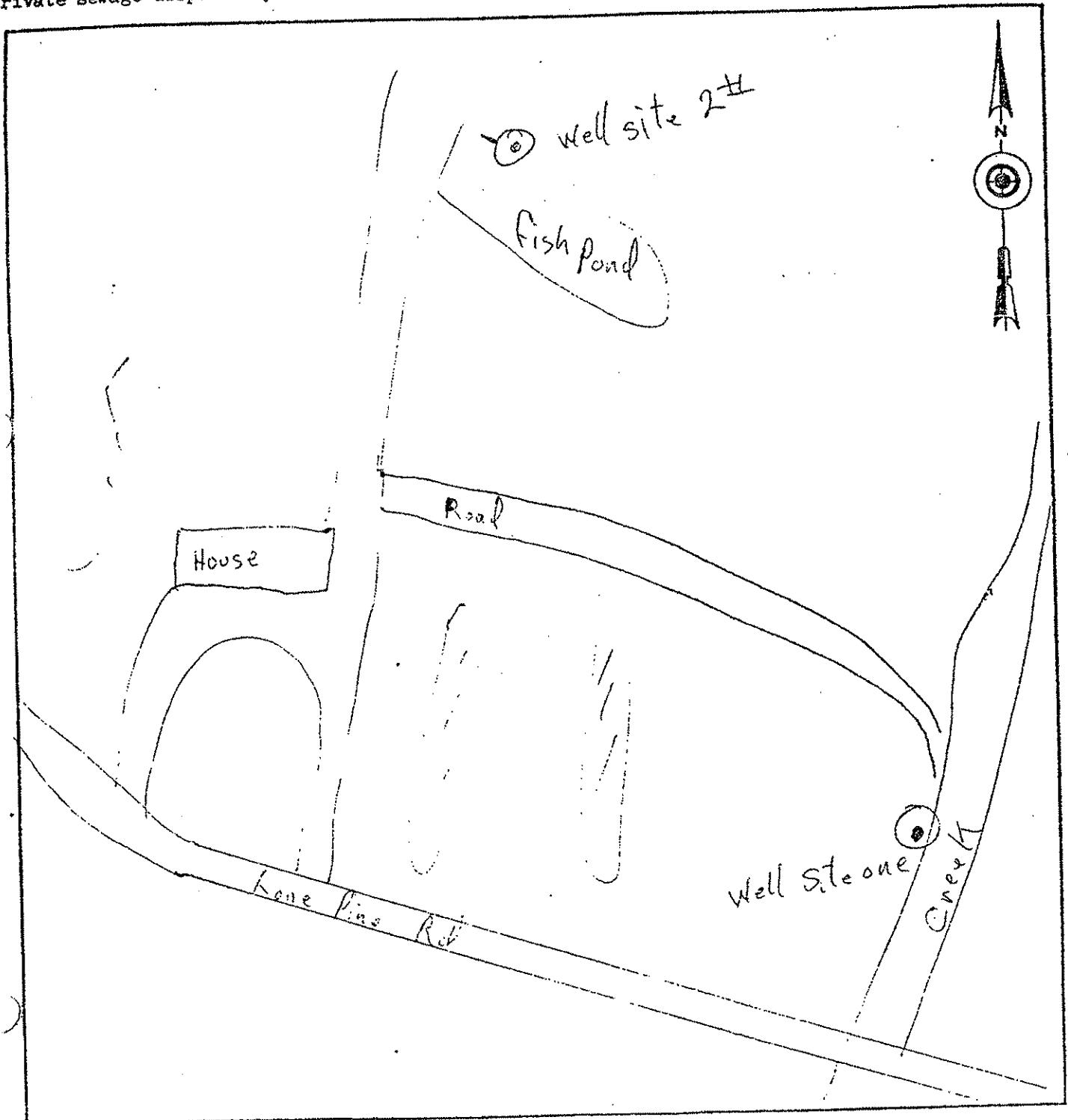
Page 2 of 2 pages

151607
Permit no. 449-76

WELL PERMIT APPLICATION
(Plot Plan or Sketch)

Well address 5570 Lone Pine Road Sep A.P. # _____

Indicate below the exact location of well with respect to the following items: property lines, water bodies or water courses, drainage pattern, roads, existing wells, sewers and private sewage disposal systems. INCLUDE DIMENSIONS.



ORIGINAL
File with DWR

CONFIDENTIAL LOG
Water Code Sec. 13752

WATER WELL DRILLERS REPORT

(Sections 7079, 7080, 7081, 7082, Water Code)

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

6N/BW-18 J94
unplotted

Do Not Fill In

No 49255

State Well No.

Other Well No.

(1) OWNER:

PAT POUNDEN 3/21/70
451 SANFORD
Name ~~G.H. Walters~~ SANTA ROSA
Address 3851 Mt. Vernon Drive 95401
Sebastopol, California

(11) WELL LOG:

Total depth 292 ft. Depth of completed well 292 ft.

Formation: Describe by color, character, size of material, and structure

ft. to ft.

(2) LOCATION OF WELL:

County Sonoma Owner's number, if any
Township, Range, and Section 3795 Mt. Vernon Drive
Distance from cities, roads, railroads, etc. Sebastopol, Calif.
(Cunningham) Sub. of Sebastopol

0-2 Topsoil

2-5 Fine Brown Sand

5-201 Brown Sandy Clay

201-247 Brown sand w/strks of

Pea Gravel

247-292 Blue Clay w/strks of

Pea Gravel

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Destroying ☐

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☒
Cable ☐
Other ☐

(6) CASING INSTALLED:

STEEL: OTHER:
SINGLE ☒ DOUBLE ☐

If gravel packed

From ft.	To ft.	Diam. in.	Gage or Wall in.	Diameter of Bore in.	From ft.	To ft.
0	292	8"	12	14"	0	292

Size of shoe or well ring:

Size of gravel: pea

Describe joint Welded

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Mill Factory Slots

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
192	212	10 rows around	1	8X3"
212	232	and 39 slots		"
232	252	per row		"
252	272			"
272	292			"

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ☒ No ☐ To what depth 181' ft.

Were any strata sealed against pollution? Yes ☐ No ☒ If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing Cement

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforating and developing 15 ft.

(10) WELL TESTS:

Was pump test made? Yes ☐ No ☒ If yes, by whom? Bail

Rate: 20 gal./min. with 105 ft. drawdown after 4 hrs.

Temperature of water Was a chemical analysis made? Yes ☐ No ☒

Was electric log made of well? Yes ☐ No ☒ If yes, attach copy

CONFIDENTIAL LOG
Water Code Sec. 13752

Work started 4/22 1970, Completed 4/28 1970

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME TRI-K-Drilling

(Person, firm, or corporation) (Typed or printed)

Address 1408 Forest View Dr.

Santa Rosa, California 95401

[SIGNED] Frank King
(Well Driller)

License No. 245571

Dated April 28, 1970

SKETCH LOCATION OF WELL ON REVERSE SIDE

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

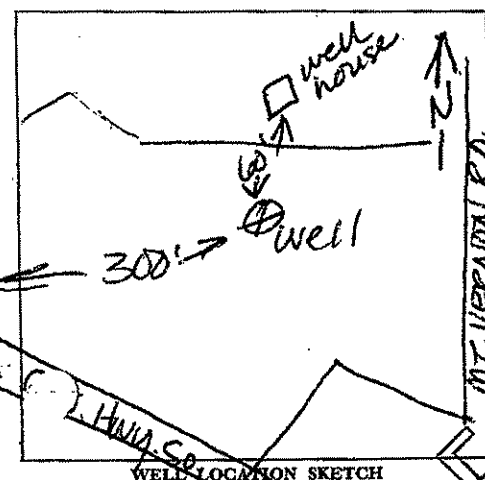
No. 225363

No. of Intent No. _____
Permit No. or Date 648-85

State Well No. _____
Other Well No. 06N08W18

(1) OWNER: Name Bill Lakeland
Address 2948 Hillegass
City Berkeley Zip 94705

(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number 2
Well address if different from above 3790 Mt. Vernon Rd.
Township Sebastopol Range _____ Section _____
Distance from cities, roads, railroads, fences, etc.
60' from Noerh prop line, 300' from
Gravenstein Hwy. So., 150' from Mt.



(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐

Destruction ☐ (Describe
destruction materials and
procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(12) WELL LOG: Total depth 170 ft. Depth of completed well 170 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0	-	18	brown clay
18	-	19	yellow sand and gravel
19	-	80	yellow sand
80	-	85	yellow sandy clay
85	-	110	yellow sand
110	-	115	yellow sandy clay
115	-	117	yellow gravelly clay
117	-	135	yellow sandy clay
135	-	150	yellow sand and gravel
150	-	158	yellow hardpan
158	-	166	yellow sand and gravel
166	-	170	blue clay

(5) EQUIPMENT:

Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 20-40 Monterey
Diameter of bore 12 1/2
Packed from 25 to 170

(7) CASING INSTALLED:

Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Cage or Wall	From ft.	To ft.	Slot size
0	170	6"	c1200	110	170	10/32" screen

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 25 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
Method of sealing pumped sand and cement

(10) WATER LEVELS:

Depth of first water, if known 18 ft.
Standing level after well completion 20 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? driller
Type of test Pump ☐ Bailor ☐ Air lift ☒
Depth to water at start of test 20 ft. At end of test 140 ft.
Discharge 30 gal/min after 1 hours Water temperature cool
Analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 12/11/85 Completed 12/16/85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED

Gary Jensen
(Well Driller)

NAME

Nutting & Jensen Drilling
(Person, firm, or corporation) (Typed or printed)

Address

1924 Gravenstein Hwy. So.

City

Sebastopol

Zip 95472License No. 340854Date of this report 1/19/86

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

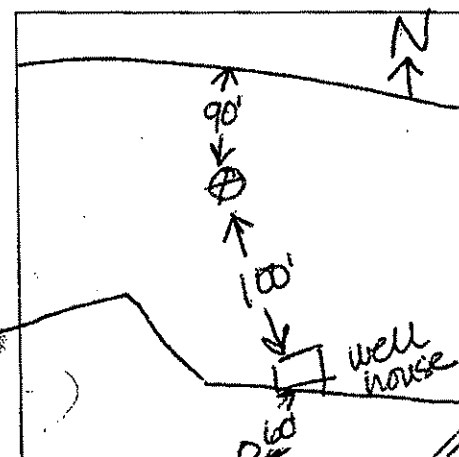
Do not fill in
No. 225362

Permit No. or Date 647-85

State Well No. _____
Other Well No. 06NOBWI8

(1) OWNER: Name Bill Lakeland
2948 Hillegass
City Berkeley Zip 94705
(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number 1
Well address if different from above 3770 Mt. Vernon Rd.
Township Sebastopol Range _____ Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 150 ft. Depth of completed well 150 ft.
from ft. to ft. Formation (Describe by color, character, size or material)
- - -
0 - 16 yellow sand
16 - 18 yellow gravel
18 - 80 yellow sand
80 - 86 yellow sandy clay
86 - 105 yellow sand
105 - 115 yellow gravelly clay
115 - 150 yellow sand and gravel



(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)
(4) PROPOSED USE:
Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size 8 Montezuma
Diameter of bore 12 1/2
Packed from 55 to 150 ft.

(7) CASING INSTALLED:
Steel ☐ Plastic ☒ Concrete ☐
From ft. To ft. Dia. in. Gauge or Wall
0 150 6 1200

(8) PERFORATIONS:
Type of perforation or size of screen
From ft. To ft. Slot size
110 150 0.32"

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 55 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
Method of sealing pumped sand and cement

(10) WATER LEVELS:
Depth of first water, if known 18 ft.
Standing level after well completion 25 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? driller
Type of test Pump ☐ Bailor ☐ Air lift ☒
Depth to water at start of test 25 ft. At end of test 150 ft.
Discharge 50 gal/min after 1 hours Water temperature cool
Analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 12/11/85 Completed 12/16/85
WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
SIGNED Guy Jensen (Well Driller)
NAME Nutting & Jensen Drilling
(Person, firm, or corporation) (Typed or printed)
Address 1924 Gravenstein Hwy. So.
City Sebastopol Zip 95472
License No. 340854 Date of this report 1/19/86

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in
No. 162399

Number of Intent No. _____
I Permit No. or Date _____

State Well No. _____
Other Well No. 06N08W17N

(1) OWNER: Name Margaret Blodgett
Address 3991 Hessel Rd.
City Sebastopol, Ca. Zip 95472

(2) LOCATION OF WELL (See instructions):
County Sonoma Owner's Well Number _____
Well address if different from above same
Township 06N Range 08W Section _____
Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth _____ ft. Depth of completed well _____ ft.
from ft. to ft. Formation (Describe by color, character, size or material)
- - -
0 - 2 top soil
- - -
2 - 28 brn. sand w/ small gravel
- - -
28 - 118 yellow sand
- - -
118 - 122 white sandy clay
- - -
122 - 135 yellow sandy clay

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 14)

(4) PROPOSED USE:
Domestic ☒
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☐
Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒ Reverse ☐
Cable ☐ Air ☒
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 3/8
Diameter of bore _____
Packed from 20 to 180

(7) CASING INSTALLED:

Steel ☐ Plastic ☒ Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen _____

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	180	5 1/2	c200 psi	140	180	1/8

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 20 ft.
Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
Method of sealing cement

(10) WATER LEVELS:

Depth of first water, if known _____ ft.
Standing level after well completion 45 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? driller
Type of test Pump ☐ Bailor ☒ Air lift ☐
Depth to water at start of test 45 ft. At end of test 175 ft.
Discharge 10 gal/min after 4 hours Water temperature _____
Local analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 8-27 1984 Completed 8-28 1984

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED DALE THEISS by kathy baker
(Well Driller)

NAME FISCH BROS. DRILLING INC.

(Typed or printed)

Address 5001 Gravenstein Hwy. N.

City Sebastopol, Ca.

Zip 95472

License No. DR399226

Date of this report 8-29-84

ORIGINAL
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 1
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 70905

State Well No. _____
Other Well No. 6/8-18B

4467

(1) OWNER:

Name Asa Horn
Address 5331 Todd Road
SEBASTOPOL, CALIF.

(2) LOCATION OF WELL:

County SONOMA Owner's number, if any—
R. F. D. or Street No. 3211 Gravenstein Hwy. So. Sebastopol
75 ft east of Old Gravenstein Hwy.
100 ft. south of Todd Rd.

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary bucket ☐
Cable ☐
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☐

From ft. to ft. Diam. Gage or Wall
0 33 36" I.D.

CONCRETE PIPE

If gravel packed

Diameter of Bore from ft. to ft.
49" 12 33

Type and size of shoe or well ring

Size of gravel: 3/4 gravel

Describe joint

(7) PERFORATIONS:

none

Type of perforator used

Size of perforations	in., length, by	in.
From ft. to ft.	Perf. per row	Rows per ft.
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "
" " "	" " "	" " "

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.

Were any strata sealed against pollution? ☒ Yes ☐ No If yes, note depth of strata

From ft. to ft.
0 12

Method of Sealing 2 yards of Redi Mix

(9) WATER LEVELS:

Depth at which water was first found 15 ft.

Standing level before perforating _____ ft.

Ring level after perforating _____ ft.

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield approx. 5 gal./min. with _____ ft. draw down after hrs.

Temperature of water cool Was a chemical analysis made? ☐ Yes ☒ No

Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Total depth ##33 ft. Depth of completed well 33 ft.

Formation: Describe by color, character, size of material, and structure.

ft. to	ft.	
0	1	top soil
1	3	brown clay
3	5	sticky brown clay
5	11	brown hard pan
11	15	brown sandy clay
15	18	large clean gravel
18	26	blue sandy clay
26	33	brown sandy clay

FOR OFFICIAL USE ONLY

Work started 12/5/63 19 Completed 12/9/63 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BALLARD & FOOTE (Typed or printed)

Address 4625 Stoetz Lane

SEBASTOPOL, CALIF.

[SIGNED] Robert H. Foote Well Driller

License No. 185456 Dated 1/11/64, 19

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 177236

of Intent No. _____
Permit No. or Date. _____

State Well No. _____
Other Well No. 06N084018

(1) OWNER: Name Kathleen LowenthalAddress 2030 No. CommonwealthCity Los Angeles, CAZip 90027

(2) LOCATION OF WELL (See instructions):

County Sonoma

Owner's Well Number

063-110-06Well address if different from above 3241 Old. Gravenstein Hwy. So.Township Sebastopol Range _____

Section _____

Distance from cities, roads, railroads, fences, etc. _____

(12) WELL LOG: Total depth 240 ft. Depth of completed well 230 ft.

from ft. to ft. Formation (Describe by color, character, size or material)

0 - 2 Topsoil

2 - 12 Sandy brown clay

12 - 22 Loose sand and gravel

22 - 32 Clayee blue sand and blue sand

32 - 37 Clayee blue green sand

37 - 39 Clayee light gray sand

39 - 53 Clayee brown sand

53 - 58 Stiff yellow clay

58 - 75 Yellow sand

75 - 80 Clayee orange sand

80 - 95 Stiff gray clay

95 - 105 Clayee orange sand

105 - 175 Yellow and orange sand

175 - 210 Yellow and orange sand with clayee

yellow and orange sand

210 - 212 Stiff yellow clay

212 - 240 Yellow sand with clayee yellow

(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☒Irrigation ☐Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary ☒Reverse ☐Cable ☐Air ☐Other ☐Bucket ☐(6) GRAVEL PACK: Interrey sandYes ☒ No ☐Size 12-20Diameter of bore 6 3/4Packed from 52 to 230 ft.

(7) CASING INSTALLED:

Steel ☐Plastic ☒Concrete ☐

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	230	5"	CL200	140	145	.030
				180-185	205-210	.030
				215-225		.030

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 52 ft.Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.Method of sealing Sand grout on pack

(10) WATER LEVELS:

Depth of first water, if known _____ ft.

Standing level after well completion 20' ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? WeeksType of test Pump ☐ Bailor ☒ Air lift ☐Depth to water at start of test 20 ft. At end of test 55 ft.Discharge 40 gal/min after 1 hours Water temperature coolanalysis made? Yes ☐ No ☒ If yes, by whom? _____Was electric log made? Yes ☒ No ☐ If yes, attach copy to this reportWork started 5/20 19 85 Completed 5/21 19 85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Gerald G. Thompson, By: Ward ThompsonNAME WEEKS DRILLING AND PUMP COMPANY

(Person, firm, or corporation) (Typed or printed)

Address P. O. Box 176City Sebastopol, CALicense No. C57-177681Date of this report May 23, 1985

APPENDIX C

Soil Boring Logs



UNIFIED SOIL CLASSIFICATION SYSTEM	MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
				GRAPH	LETTER	
	COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
(LITTLE OR NO FINES)				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES	
GRAVELS WITH FINES				GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES	
(APPRECIABLE AMOUNT OF FINES)				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES	
SAND AND SANDY SOILS		CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
		(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES	
		SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES	
		(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES	
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS	
				CH	INORGANIC CLAYS OF HIGH PLASTICITY	
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS	
			HIGHLY ORGANIC SOILS			PT

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

RELATIVE CONSISTENCY CLASSIFICATION

GRANULAR	COHESIVE
Silts, Sands, and Gravels	Clays and Clayey Silts
VERY LOOSE	SOFT
LOOSE	MEDIUM STIFF
MEDIUM DENSE	STIFF
DENSE	VERY STIFF
VERY DENSE	HARD

Relative Moisture Contents

DRY
DAMP
MOIST
WET
SATURATED

■ - Undisturbed sample retained - Recovered, not retained - Bulk Sample - Depth to water



Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel: (707) 838-3027

Job No.: 403

Appr.:

Date: 3/21/05

UNIFIED SOIL CLASSIFICATION CHART

LANDER'S AUTOMOTIVE
3610 Gravenstein Highway South
Sebastopol, California

PLATE

C-1

BRUNSG ASSOCIATES, INC.
P.O. BOX 588
Windsor, CA. 95492
Telephone: (707) 838-3027
Fax: (707) 838-4420

BORING NO.: **B-33**

SHEET 1 OF 1

PROJECT: **Lander's Automotive**
LOCATION: **Sebastopol, California**

PROJECT NO.: **403**

LOGGED BY: **DEC**

COORDINATES:

SURFACE ELEVATION:

DATUM:

SAMPLE INFORMATION						DESCRIPTION	STRATA	WELL CONSTRUCTION DETAIL
DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery (%)	PID (ppm)			
						DARK BROWN GRAVELLY SAND (SW) loose, damp, very coarse to medium-grained sand		
5			17 17 13		0.0	LIGHT BROWN SAND (SP) loose, damp, coarse to medium-grained sand		5
10			3 3 4		0.0	GRAY-BROWN, ORANGE SILTY SAND (SM) loose, wet, mottled, some clay		10
15			1 2 3			ORANGE-BROWN SILTY SAND (SM) loose, saturated		15
						GRAY SAND (SP) loose, saturated, very coarse to coarse-grained sand		

DRILLING CONTRACTOR: Clear Heart

DRILLING METHOD: 4-inch solid stem auger

DRILLING EQUIPMENT: Heno

DRILLING STARTED: 12/10/04 ENDED: 12/10/04

REMARKS

See key sheet for symbols and abbreviations used above.



BRUNSG ASSOCIATES, INC.

Job No.: 403

Appr.: *[Signature]*

Date: 3/21/05

LOG OF BORING B-33

Lander's Automotive
3610 Gravenstain Highway South
Sebastopol, California

PLATE

C-2

BRUNSING ASSOCIATES, INC.
P.O. BOX 588
Windsor, CA. 95492
Telephone: (707) 838-3027
Fax: (707) 838-4420

BORING NO.: **B-34**

SHEET 1 OF 1

PROJECT: **Lander's Automotive**
LOCATION: **Sebastopol, California**

PROJECT NO.: **403**

LOGGED BY: **DEC**

COORDINATES:

SURFACE ELEVATION:

DATUM:

SAMPLE INFORMATION						DESCRIPTION	STRATA	WELL CONSTRUCTION DETAIL
DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery (%)	PID (ppm)			
						Concrete		
						DARK BROWN SILTY SAND (SM) loose, damp		
5			21 24 27		0.0	GRAY SILTY SAND (SM) medium dense, damp, coarse to medium-grained sand, some gravel		5
10			4 5 6		0.0	LIGHT GRAY SILTY SAND (SM) loose, saturated, coarse to medium-grained sand, trace gravel		10

DRILLING CONTRACTOR: Clear Heart

DRILLING METHOD: 4-inch solid stem auger

DRILLING EQUIPMENT: Heno

DRILLING STARTED: 12/10/04 ENDED: 12/10/04

REMARKS

See key sheet for symbols and abbreviations used above.



BRUNSING ASSOCIATES, INC.

Job No.: 403

Appr.: *[Signature]*

Date: 6/7/05

LOG OF BORING B-34

Lander's Automotive
3610 Gravenstein Highway South
Sebastopol, California

PLATE

C-3

BRUNSING ASSOCIATES, INC.
P.O. BOX 588
Windsor, CA. 95492
Telephone: (707) 838-3027
Fax: (707) 838-4420

BORING NO.: **B-35**

SHEET 1 OF 1

PROJECT: **Lander's Automotive**
LOCATION: **Sebastopol, California**

PROJECT NO.: **403**

LOGGED BY: **DEC**

COORDINATES:

SURFACE ELEVATION:

DATUM:

SAMPLE INFORMATION						DESCRIPTION	STRATA	WELL CONSTRUCTION DETAIL	
DEPTH FEET	LAB SAMPLE	SAMPLE TYPE	BLOW COUNTS	Recovery (%)	PID (ppm)				
						Concrete			
						BROWN SILTY SAND (SM)			
						loose, damp, coarse to medium-grained			
						sand, with gravel			
5		X	15		0.0	GRAY SILTY SAND (SM)			5
		X	18			loose, wet, coarse to medium-grained			
		X	23			sand, trace gravel			
10		X	14		0.0	REDDISH BROWN, GRAY MOTTLED			10
		X	17			SAND (SP)			
		X	20			medium dense, saturated,			
		X				medium-grained sand			

DRILLING CONTRACTOR: Clear Heart

DRILLING METHOD: 4-inch solid stem auger

DRILLING EQUIPMENT: Heno

DRILLING STARTED: 12/10/04 ENDED: 12/10/04

REMARKS

See key sheet for symbols and abbreviations used above.



BRUNSING ASSOCIATES, INC.

Job No.: 403

Appr.: *[Signature]*

Date: 6/7/05

LOG OF BORING B-35

Lander's Automotive
3610 Gravenstein Highway South
Sebastopol, California

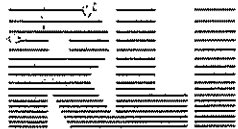
PLATE

C-4

APPENDIX D

Landfill Manifest





**REDWOOD
LANDFILL INC.**

8950 REDWOOD HIGHWAY
P.O. BOX 793
NOVATO, CALIFORNIA 94948
TEL: (415) 892-2851
FAX: (415) 898-1354

X

DRIVER'S SIGNATURE

RECIEVED BY: REDWOOD SAG
SIGNATURE: _____

ACCOUNT NUMBER: 5071591 CUSTOMER: BRUNSG ASSOCIATES

PC 050

VEHICLE:

COMMODITY: PC DIRT

TIME: 12:58:53

DATE: 04/28/05

Cu. yd.: 10.00

LOAD #: 609624

PER YD. : 14.00

FEE 140.00

SOURCE: 92 SEBASTOPOL

*** CHARGE ***

TOTAL: 140.00

LOAD TICKET #: 1341427

CUSTOMER COPY

- PERSONS USING THESE PREMISES DO SO AT THEIR OWN RISK.
- CHILDREN AND PETS ARE NOT ALLOWED OUT OF VEHICLES.
- NO RUMMAGING IN DUMP AREA.
- NO SMOKING ON DUMP SITE.
- PLEASE NOTIFY OFFICE OF ANY COMPLAINT.
- THANK YOU.

"By signing, I hereby certify that the below-described material (commodity) contains no infectious, radioactive, volatile, corrosive, flammable, explosive, hazardous, dangerous, or toxic materials or substances or any other material that may violate laws or regulations or that may present a significant risk to human health or the environment, cause a nuisance or otherwise create or expose the landfill to liability."

APPENDIX E

Analytical Laboratory Reports



Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4494
Project Name:	3610 GRAVENSTEIN HWY. S.
Work Order Number:	403
Control Sheet Number:	NA

Report Summary

Labreport	Sampleid	Labsampleid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotcit	Run Sub
4494	B-33-W	4494-7	W	CS	8260FAB	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	30
							4	4	4		
4494	B-33-W	4494-7	W	CS	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	30
							4	4	4		
4494	B-34-W	4494-8	W	CS	8260FAB	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	34
							4	4	4		
4494	B-34-W	4494-8	W	CS	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	34
							4	4	4		
4494	B-35-W	4494-9	W	CS	8260FAB	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	35
							4	4	4		
4494	B-35-W	4494-9	W	CS	8260TPH	SW5030B	12/10/200	12/17/200	12/17/200	20041216B	35
							4	4	4		
4494	B33-10	4494-2	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	11
							4	4	4		
4494	B33-10	4494-2	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	11
							4	4	4		
4494	B33-5	4494-1	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	10
							4	4	4		
4494	B33-5	4494-1	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	10
							4	4	4		
4494	B34-10	4494-4	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	13
							4	4	4		
4494	B34-10	4494-4	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	13
							4	4	4		
4494	B34-5	4494-3	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	12
							4	4	4		
4494	B34-5	4494-3	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	12
							4	4	4		
4494	B35-10	4494-6	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	17
							4	4	4		
4494	B35-10	4494-6	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	17
							4	4	4		
4494	B35-5	4494-5	SO	CS	8260FAB	SW5035	12/10/200	12/11/200	12/11/200	20041211B	16
							4	4	4		
4494	B35-5	4494-5	SO	CS	8260TPH	SW5035	12/10/200	12/11/200	12/11/200	20041211B	16
							4	4	4		
4491-5		4491-5	W	NC	8260FAB	SW5030B	/ /	12/17/200	12/17/200	20041216B	17
								4	4		
4491-5		4491-5	W	NC	8260TPH	SW5030B	/ /	12/17/200	12/17/200	20041216B	17

Report Summary

Labreport	Sampleid	Labsampleid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotcrt	Run	Sub
		4494MB	SO	LB1	8260FAB	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	6	
		4494MB	SO	LB1	8260TPH	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	6	
		4494MB	W	LB1	8260FAB	SW5030B	/ /	4 12/16/200	4 12/16/200	20041216B	9	
		4494MB	W	LB1	8260TPH	SW5030B	/ /	4 12/16/200	4 12/16/200	20041216B	9	
		4494MS	SO	MS1	8260FAB	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	14	
		4494MS	SO	MS1	8260TPH	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	14	
		4494MS	W	MS1	8260FAB	SW5030B	/ /	4 12/16/200	4 12/16/200	20041216B	15	
		4494MS	W	MS1	8260TPH	SW5030B	/ /	4 12/17/200	4 12/17/200	20041216B	21	
		4494SD	SO	SD1	8260FAB	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	15	
		4494SD	SO	SD1	8260TPH	SW5035	/ /	4 12/11/200	4 12/11/200	20041211B	15	
		4494SD	W	SD1	8260FAB	SW5030B	/ /	4 12/16/200	4 12/16/200	20041216B	16	
		4494SD	W	SD1	8260TPH	SW5030B	/ /	4 12/17/200	4 12/17/200	20041216B	22	

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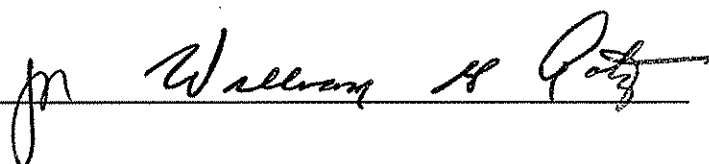
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B33-10		Lab Samp ID: 4494-2	
Descr/Location: B33-10		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 0905		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	10.	25.	PQL	ND	UG/KG	5
Ethyl tert-butyl ether (ETBE)	10.	25.	PQL	ND	UG/KG	5
tert-Amyl methyl ether (TAME)	10.	25.	PQL	ND	UG/KG	5
Di-isopropyl ether (DIPE)	10.	25.	PQL	ND	UG/KG	5
tert-Butyl alcohol (TBA)	100.	300.	PQL	ND	UG/KG	5
1,2-Dichloroethane	13.	25.	PQL	ND	UG/KG	5
1,2-Dibromoethane	13.	25.	PQL	ND	UG/KG	5
Benzene	10.	25.	PQL	ND	UG/KG	5
Toluene	10.	25.	PQL	ND	UG/KG	5
Ethylbenzene	10.	25.	PQL	ND	UG/KG	5
Xylenes	10.	25.	PQL	ND	UG/KG	5

SURROGATE AND INTERNAL STANDARD RECOVERIES:			
4-Bromofluorobenzene	74-121	SLSA	95%
Toluene-d8	81-117	SLSA	104%
Dibromofluoromethane	80-120	SLSA	102%

Approved by:



Date:

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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B33-5		Lab Samp ID: 4494-1	
Descr/Location: B33-5		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 0900		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	200.	500.	PQL	ND	UG/KG	100
Ethyl tert-butyl ether (ETBE)	200.	500.	PQL	ND	UG/KG	100
tert-Amyl methyl ether (TAME)	200.	500.	PQL	ND	UG/KG	100
Di-isopropyl ether (DIPE)	200.	500.	PQL	ND	UG/KG	100
tert-Butyl alcohol (TBA)	2000.	5000.	PQL	ND	UG/KG	100
1,2-Dichloroethane	250.	500.	PQL	ND	UG/KG	100
1,2-Dibromoethane	250.	500.	PQL	ND	UG/KG	100
Benzene	200.	500.	PQL	ND	UG/KG	100
Toluene	200.	500.	PQL	ND	UG/KG	100
Ethylbenzene	200.	500.	PQL	ND	UG/KG	100
Xylenes	200.	500.	PQL	716.	UG/KG	100

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	74-121	SLSA	108%			1
Toluene-d8	81-117	SLSA	97%			1
Dibromofluoromethane	80-120	SLSA	98%			1

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Date: 1/21/05

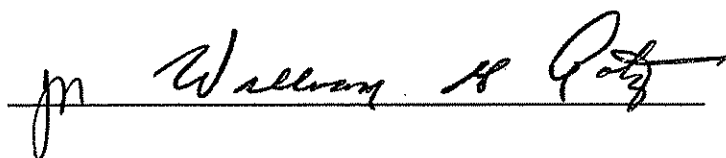
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B34-10		Lab Samp ID: 4494-4	
Descr/Location: B34-10		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 0955		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	87%		1
Toluene-d8		81-117	SLSA	92%		1
Dibromofluoromethane		80-120	SLSA	101%		1

Approved by:



Date:

1/21/05

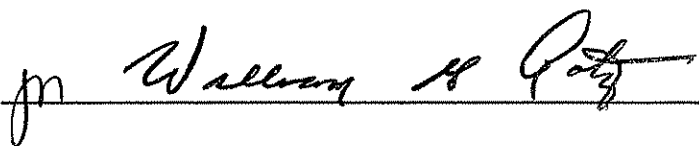
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B34-5		Lab Samp ID: 4494-3	
Descr/Location: B34-5		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 0945		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	99%		1
Toluene-d8		81-117	SLSA	105%		1
Dibromofluoromethane		80-120	SLSA	105%		1

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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B35-10		Lab Samp ID: 4494-6	
Descr/Location: B35-10		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 1050		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	ND	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:			
4-Bromofluorobenzene	74-121	SLSA	85%
Toluene-d8	81-117	SLSA	93%
Dibromofluoromethane	80-120	SLSA	102%

Approved by: 

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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: B35-5		Lab Samp ID: 4494-5	
Descr/Location: B35-5		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/11/2004	
Sample Time: 1040		Analysis Date: 12/11/2004	
Matrix: Soil		QC Batch: 20041211B	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	87%		1
Toluene-d8		81-117	SLSA	96%		1
Dibromofluoromethane		80-120	SLSA	106%		1

Approved by: 

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B33-10		Lab Samp ID: 4494-2				
Descr/Location: B33-10		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 0905		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	3.	5.0	PQL	ND	MG/KG	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	95%		1

Approved by: 

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B33-5		Lab Samp ID: 4494-1				
Descr/Location: B33-5		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 0900		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dll
Gasoline Range Organics (C5-C12)	50.	100.	PQL	250.	MG/KG	100
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	108%		1

Approved by: jm Wallman H PotzDate: 1/21/05

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B34-10		Lab Samp ID: 4494-4				
Descr/Location: B34-10		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 0955		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	87%		1

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B34-5		Lab Samp ID: 4494-3				
Descr/Location: B34-5		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 0945		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	99%		1

Approved by: 

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B35-10		Lab Samp ID: 4494-6				
Descr/Location: B35-10		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 1050		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	85%		1

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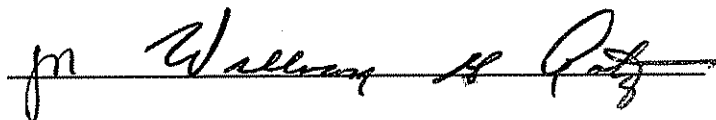
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B35-5		Lab Samp ID: 4494-5				
Descr/Location: B35-5		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/11/2004				
Sample Time: 1040		Analysis Date: 12/11/2004				
Matrix: Soil		QC Batch: 20041211B				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	87%		1

Approved by:



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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5030B	
Field ID: B-33-W		Lab Samp ID: 4494-7	
Descr/Location: B-33-W		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/17/2004	
Sample Time: 1010		Analysis Date: 12/17/2004	
Matrix: Water		QC Batch: 20041216B	
Basis: Not Filtered		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	7.6	20.	PQL	ND	UG/L	20
Ethyl tert-butyl ether (ETBE)	6.0	20.	PQL	ND	UG/L	20
tert-Amyl methyl ether (TAME)	5.2	20.	PQL	ND	UG/L	20
Di-isopropyl ether (DIPE)	7.4	20.	PQL	ND	UG/L	20
tert-Butyl alcohol (TBA)	48.	200.	PQL	ND	UG/L	20
1,2-Dichloroethane	6.0	10.	PQL	ND	UG/L	20
1,2-Dibromoethane	6.0	10.	PQL	ND	UG/L	20
Benzene	5.4	10.	PQL	ND	UG/L	20
Toluene	5.0	10.	PQL	ND	UG/L	20
Ethylbenzene	5.0	10.	PQL	46.1	UG/L	20
Xylenes	5.0	10.	PQL	193.	UG/L	20

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	86-115	SLSA	111%			1
Toluene-d8	88-110	SLSA	100%			1
Dibromofluoromethane	86-118	SLSA	103%			1

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Date: 1/21/05

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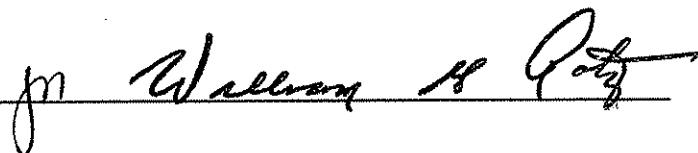
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5030B	
Field ID: B-34-W		Lab Samp ID: 4494-8	
Descr/Location: B-34-W		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/17/2004	
Sample Time: 1005		Analysis Date: 12/17/2004	
Matrix: Water		QC Batch: 20041216B	
Basis: Not Filtered		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL	ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL	ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL	ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL	ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL	ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL	ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL	ND	UG/L	10
Benzene	2.7	5.0	PQL	ND	UG/L	10
Toluene	2.5	5.0	PQL	ND	UG/L	10
Ethylbenzene	2.5	5.0	PQL	48.9	UG/L	10
Xylenes	2.5	5.0	PQL	ND	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	86-115	SLSA	110%	1		
Toluene-d8	88-110	SLSA	100%	1		
Dibromofluoromethane	86-118	SLSA	101%	1		

Approved by:



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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5030B	
Field ID: B-35-W		Lab Samp ID: 4494-9	
Descr/Location: B-35-W		Rec'd Date: 12/10/2004	
Sample Date: 12/10/2004		Prep Date: 12/17/2004	
Sample Time: 1115		Analysis Date: 12/17/2004	
Matrix: Water		QC Batch: 20041216B	
Basis: Not Filtered		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10. PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10. PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10. PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10. PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100. PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0 PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0 PQL		ND	UG/L	10
Benzene	2.7	5.0 PQL		ND	UG/L	10
Toluene	2.5	5.0 PQL		ND	UG/L	10
Ethylbenzene	2.5	5.0 PQL		49.7	UG/L	10
Xylenes	2.5	5.0 PQL		ND	UG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-115 SLSA		111%		1
Toluene-d8		88-110 SLSA		101%		1
Dibromofluoromethane		86-118 SLSA		102%		1

Approved by: 

Date: 1/21/05

Lab Report No.: 4494 Date: 01/21/2005

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5030B				
Field ID: B-33-W		Lab Samp ID: 4494-7				
Descr/Location: B-33-W		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/17/2004				
Sample Time: 1010		Analysis Date: 12/17/2004				
Matrix: Water		QC Batch: 20041216B				
Basis: Not Filtered		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0 PQL		1.7	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-115 SLSA		111%		1

Approved by: jmWilliam H. PateDate: 1/21/05

Lab Report No.: 4494 Date: 01/21/2005

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5030B				
Field ID: B-34-W		Lab Samp ID: 4494-8				
Descr/Location: B-34-W		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/17/2004				
Sample Time: 1005		Analysis Date: 12/17/2004				
Matrix: Water		QC Batch: 20041216B				
Basis: Not Filtered		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL	4.2	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-115	SLSA	110%		1

Approved by: 

Date: 1/21/05

Lab Report No.: 4494 Date: 01/21/2005

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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5030B				
Field ID: B-35-W		Lab Samp ID: 4494-9				
Descr/Location: B-35-W		Rec'd Date: 12/10/2004				
Sample Date: 12/10/2004		Prep Date: 12/17/2004				
Sample Time: 1115		Analysis Date: 12/17/2004				
Matrix: Water		QC Batch: 20041216B				
Basis: Not Filtered		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL	1.0	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-115	SLSA	111%		1

Approved by: jnWilliam H. PotzDate: 1/21/05

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

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QC Batch: 20041211B		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX				
Matrix: Soil		Method: 8260FAB				
Lab Samp ID: 4494MB		Prep Meth: SW5035				
Analysis Date: 12/11/2004		Prep Date: 12/11/2004				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0 PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0 PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0 PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0 PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50. PQL		ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0 PQL		ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0 PQL		ND	UG/KG	1
Benzene	2.0	5.0 PQL		ND	UG/KG	1
Toluene	2.0	5.0 PQL		ND	UG/KG	1
Ethylbenzene	2.0	5.0 PQL		ND	UG/KG	1
Xylenes	2.0	5.0 PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121 SLISA		90%		1
Toluene-d8		81-117 SLISA		95%		1
Dibromofluoromethane		80-120 SLISA		102%		1

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

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QC Batch: 20041211B		Analysis: Total Petroleum Hydrocarbons (TPH) by				
Matrix: Soil		Method: 8260TPH				
Lab Samp ID: 4494MB		Prep Meth: SW5035				
Analysis Date: 12/11/2004		Prep Date: 12/11/2004				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	90%		1

QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

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QC Batch: 20041211B
Matrix: Soil
Lab Samp ID: 4494MS
Basis: Wet

Project Name: 3610 GRAVENSTEIN HWY. S.
Project No.: 403
Field ID: B34-10
Lab Ref ID: 4494-4

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria	RPD
1,2-Dibromooethane	8260FAB	50.0	50.0	ND	46.0	47.3	UG/KG ww	92.0	94.6	2.8	135-65 MSA	20MSP
1,2-Dichloroethane	8260FAB	50.0	50.0	ND	48.7	48.7	UG/KG ww	97.4	97.4	0.00	135-65 MSA	20MSP
Benzene	8260FAB	50.0	50.0	ND	48.6	47.1	UG/KG ww	97.2	94.2	3.1	142-66 MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	50.0	50.0	ND	49.0	50.5	UG/KG ww	98.0	101	3.0	135-65 MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	50.0	50.0	ND	49.2	50.7	UG/KG ww	98.4	101	2.6	135-65 MSA	20MSP
Ethylbenzene	8260FAB	50.0	50.0	ND	48.7	51.7	UG/KG ww	97.4	103	5.6	135-65 MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	50.0	50.0	ND	46.9	48.8	UG/KG ww	93.8	97.6	4.0	135-65 MSA	20MSP
Toluene	8260FAB	50.0	50.0	ND	45.3	44.2	UG/KG ww	90.6	88.4	2.5	139-60 MSA	20MSP
Xylenes	8260FAB	150.0	150.0	ND	136.	144.	UG/KG ww	90.7	96.0	5.7	135-65 MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	50.0	50.0	ND	47.7	49.3	UG/KG ww	95.4	98.6	3.3	135-65 MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	250.0	250.0	ND	201.	211.	UG/KG ww	80.4	84.4	4.9	140-60 MSA	25MSP
Gasoline Range Organics (C5-C12)	8260TPH	3.3	3.5	ND	3.3	3.5	MG/KG ww	100	100	0.00	135-65 MSA	20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	87.	99.	102.	PERCENT ww	99.0	102	3.0	121-74 SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	101.	102.	103.	PERCENT ww	102	103	0.98	120-80 SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	92.	99.	100.	PERCENT ww	99.0	100	1.0	117-81 SLSA	20SLSP
4-Bromofluorobenzene	8260TPH	100.	100.	87.	99.	102.	PERCENT ww	99.0	102	3.0	121-74 SLSA	20SLSP

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

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QC Batch: 20041216B	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX					
Matrix: Water	Method: 8260FAB					
Lab Samp ID: 4494MB	Prep Meth: SW5030B					
Analysis Date: 12/16/2004	Prep Date: 12/16/2004					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0 PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0 PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0 PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0 PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10. PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50 PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50 PQL		ND	UG/L	1
Benzene	0.27	0.50 PQL		ND	UG/L	1
Toluene	0.25	0.50 PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50 PQL		ND	UG/L	1
Xylenes	0.25	0.50 PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-115 SLSA		97%		1
Toluene-d8		88-110 SLSA		101%		1
Dibromofluoromethane		86-118 SLSA		99%		1

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

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QC Batch:	20041216B	Analysis:	Total Petroleum Hydrocarbons (TPH) by				
Matrix:	Water	Method:	8260TPH				
Lab Samp ID:	4494MB	Prep Meth:	SW5030B				
Analysis Date:	12/16/2004	Prep Date:	12/16/2004				
Basis:	Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		ND	MG/L	1	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115 SLISA		97%			1

QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4494 Date: 01/21/2005

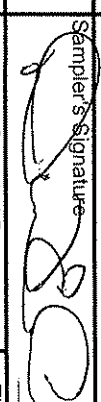


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QC Batch: 20041216B
Matrix: Water
Lab Samp ID: 4494MS
Basis: Not Filtered

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 4491-5

Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries		Acceptance Criteria
		MS	DMS		MS	DMS		MS	DMS	RPD
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	8.46	7.60	UG/L	84.6	76.0	11
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	8.95	7.82	UG/L	89.5	78.2	13
Benzene	8260FAB	10.0	10.0	ND	8.64	8.43	UG/L	86.4	84.3	2.5
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	9.32	9.10	UG/L	93.2	91.0	2.4
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.57	8.59	UG/L	85.7	85.9	0.23
Ethylbenzene	8260FAB	10.0	10.0	ND	9.18	8.64	UG/L	91.8	86.4	6.1
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	10.0	10.2	UG/L	100	102	2.0
Toluene	8260FAB	11.17	11.17	ND	8.82	8.65	UG/L	79.0	77.4	2.0
Xylenes	8260FAB	32.1	32.1	ND	26.4	26.0	UG/L	82.2	81.0	1.5
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.55	8.18	UG/L	85.5	81.8	4.4
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	36.9	35.2	UG/L	73.8	70.4	4.7
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	ND	0.511	0.44	MG/L	102	88.0	15
4-Bromofluorobenzene	8260FAB	100.	100.	89.	96.	98.	PERCENT	96.0	98.0	2.1
Dibromofluoromethane	8260FAB	100.	100.	104.	100.	98.	PERCENT	100	98.0	2.0
Toluene-d8	8260FAB	100.	100.	109.	100.	100.	PERCENT	100	100	0.00
4-Bromofluorobenzene	8260TPH	100.	100.	89.	87.	91.	PERCENT	87.0	91.0	4.5

Chain-of Custody Form

Project # 403		Project Name 2110 Greenwood Hwy. S. Lewers Automotive		Analysis										C.O.C. No. 11611		
L.P. No.		Sampler's Signature 												Remarks: BG 041		
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers												
12/6/04	B33-S	09:00	Soil	4	<div style="display: flex; justify-content: space-between;"> <div> TOH MBTEX 0x8 Pb Scav. 8260 </div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>										4494-1	
	B33-10	9:05		4											-2	
	B34-S	9:45		4											-3	
	B34-10	9:55		4											-4	
	B35-S	10:40		4											-5	
	B35-10	10:50		4											-6	
	B33-LT	10:30	H ₂ O	4											-7	
	B34-LT	10:45		4											-8	
	B35-LT	11:15		4											-9	
Laboratory: BAFS				Preservation: A - HCL; B - H ₂ SO ₄ ; C - NaOH; D - HNO ₃ ; E - Ice; F - (Specify)										ENCLOSURE - DATE EXTRACTED: 12/14/04		
Relinquished by: (signed) 		Date/Time 12/6/04 14:05		Received by: (signed) 		Date/Time 12/10/04 14:07		Remarks: Results to DEC		Brunsing Associates, Inc. P.O. Box 588 5803 Skyline Blvd., Suite A Windsor, CA 95492 (707) 838-3027 (707) 838-4420 fax						
Relinquished by: (signed)		Date/Time		Received by: (signed)		Date/Time		Remarks:								
Relinquished by: (signed)		Date/Time		Received for Laboratory by: (signed)		Date/Time		Remarks:								

Laboratory Report Project Overview

EDF 1.2a

Laboratory:

Lab Report Number:

Project Name:

Work Order Number:

Control Sheet Number:

Bace Analytical, Windsor, CA

4529

3610 GRAVENSTEIN HWY SO.

403

NA

Report Summary

Labreport	Sampleid	Labsampleid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Labioccti	Run Sub
4529	B-1	4529-5	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	23
4529	B-1	4529-5	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	23
4529	SP1-SP4-COMP	4529-6	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	24
4529	SP1-SP4-COMP	4529-6	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	24
4529	SW-1	4529-1	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	15
4529	SW-1	4529-1	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	15
4529	SW-2	4529-2	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	20
4529	SW-2	4529-2	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	20
4529	SW-3	4529-3	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	21
4529	SW-3	4529-3	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	21
4529	SW-4	4529-4	SO	CS	8260FAB	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	22
4529	SW-4	4529-4	SO	CS	8260TPH	SW5035	02/07/200 5	02/08/200 5	02/09/200 5	20050209	22
		4529MB	SO	LB1	8260FAB	SW5035	//	02/09/200 5	02/09/200 5	20050209	1
		4529MB	SO	LB1	8260TPH	SW5035	//	02/09/200 5	02/09/200 5	20050209	1
		4529MS	SO	MS1	8260FAB	SW5035	//	02/09/200 5	02/09/200 5	20050209	16
		4529MS	SO	MS1	8260TPH	SW5035	//	02/09/200 5	02/09/200 5	20050209	18
		4529SD	SO	SD1	8260FAB	SW5035	//	02/09/200 5	02/09/200 5	20050209	17
		4529SD	SO	SD1	8260TPH	SW5035	//	02/09/200 5	02/09/200 5	20050209	19

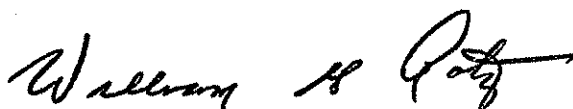
Lab Report No.: 4529 Date: 03/21/2005

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Project Name: 3610 GRAVENSTEIN Project No: 403		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5035	
Field ID: B-1 Descr/Location: B-1 Sample Date: 02/07/2005 Sample Time: 0830 Matrix: Soil Basis: Wet		Lab Samp ID: 4529-5 Rec'd Date: 02/07/2005 Prep Date: 02/08/2005 Analysis Date: 02/09/2005 QC Batch: 20050209 Notes:	

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	1
Benzene	2.0	5.0	PQL		ND	UG/KG	1
Toluene	2.0	5.0	PQL		ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL		ND	UG/KG	1
Xylenes	2.0	5.0	PQL	DX	ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		74-121	SLSA		82%		1
Toluene-d8		81-117	SLSA		87%		1
Dibromofluoromethane		80-120	SLSA		94%		1
DX: Value < lowest standard (MQL), but > than MDL							

Approved by:



Date:

3/21/05

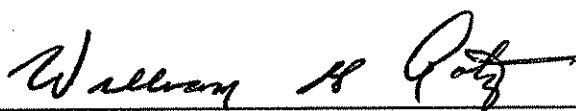
Lab Report No.: 4529 Date: 03/21/2005

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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: SP1-SP4-COMP		Lab Samp ID: 4529-6	
Descr/Location: SP1-SP4-CO		Rec'd Date: 02/07/2005	
Sample Date: 02/07/2005		Prep Date: 02/08/2005	
Sample Time: 0913		Analysis Date: 02/09/2005	
Matrix: Soil		QC Batch: 20050209	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	5.00	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	14.8	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	81%		1
Toluene-d8		81-117	SLSA	92%		1
Dibromofluoromethane		80-120	SLSA	108%		1

Approved by:



Date:

3/21/05

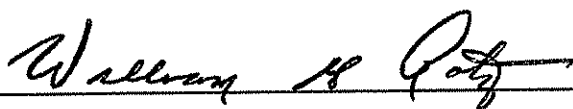
Lab Report No.: 4529 Date: 03/21/2005

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Project Name: 3610 GRAVENSTEIN Project No: 403		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5035	
Field ID: SW-1 Descr/Location: SW-1 Sample Date: 02/07/2005 Sample Time: 0820 Matrix: Soil Basis: Wet		Lab Samp ID: 4529-1 Rec'd Date: 02/07/2005 Prep Date: 02/08/2005 Analysis Date: 02/09/2005 QC Batch: 20050209 Notes:	

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	1
Benzene	2.0	5.0	PQL		ND	UG/KG	1
Toluene	2.0	5.0	PQL		9.04	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	DX	ND	UG/KG	1
Xylenes	2.0	5.0	PQL		16.4	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		74-121	SLSA		103%		1
Toluene-d8		81-117	SLSA		105%		1
Dibromofluoromethane		80-120	SLSA		90%		1
DX: Value < lowest standard (MQL), but > than MDL							

Approved by:



Date:

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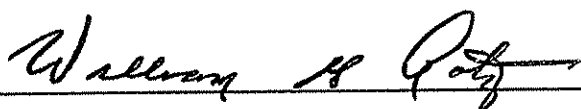
Project Name: 3610 GRAVENSTEIN Project No: 403		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5035	
Field ID: SW-2 Descr/Location: SW-2 Sample Date: 02/07/2005 Sample Time: 0822 Matrix: Soil Basis: Wet		Lab Samp ID: 4529-2 Rec'd Date: 02/07/2005 Prep Date: 02/08/2005 Analysis Date: 02/09/2005 QC Batch: 20050209 Notes:	

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL		ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL		ND	UG/KG	1
Benzene	2.0	5.0	PQL		ND	UG/KG	1
Toluene	2.0	5.0	PQL		21.1	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	DX	ND	UG/KG	1
Xylenes	2.0	5.0	PQL		28.4	UG/KG	1


SURROGATE AND INTERNAL STANDARD RECOVERIES:			
4-Bromofluorobenzene	74-121	SLSA	90% 1
Toluene-d8	81-117	SLSA	103% 1
Dibromofluoromethane	80-120	SLSA	94% 1

DX: Value < lowest standard (MQL), but > than MDL

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Date: _____



Lab Report No.: 4529 Date: 03/21/2005

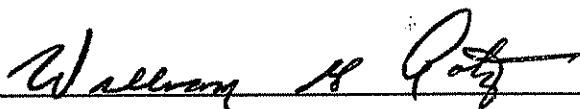
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: SW-3		Lab Samp ID: 4529-3	
Descr/Location: SW-3		Rec'd Date: 02/07/2005	
Sample Date: 02/07/2005		Prep Date: 02/08/2005	
Sample Time: 0824		Analysis Date: 02/09/2005	
Matrix: Soil		QC Batch: 20050209	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	8.32	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	8.39	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	74-121	SLSA	87%			1
Toluene-d8	81-117	SLSA	88%			1
Dibromofluoromethane	80-120	SLSA	104%			1

Approved by:



Date:

3/21/05

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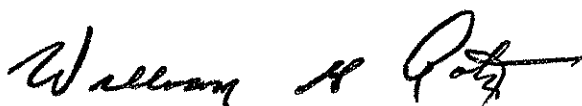
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Project Name: 3610 GRAVENSTEIN		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 403		Method: 8260FAB	
		Prep Meth: SW5035	
Field ID: SW-4		Lab Samp ID: 4529-4	
Descr/Location: SW-4		Rec'd Date: 02/07/2005	
Sample Date: 02/07/2005		Prep Date: 02/08/2005	
Sample Time: 0825		Analysis Date: 02/09/2005	
Matrix: Soil		QC Batch: 20050209	
Basis: Wet		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	5.93	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:			
4-Bromofluorobenzene	74-121	SLSA	93%
Toluene-d8	81-117	SLSA	88%
Dibromofluoromethane	80-120	SLSA	94%

Approved by:



Date:

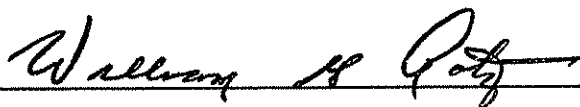
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: B-1		Lab Samp ID: 4529-5				
Descr/Location: B-1		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0830		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	82%		1

Approved by:



Date:

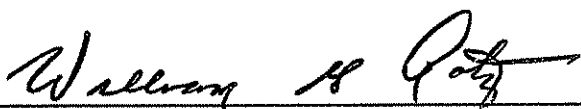
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: SP1-SP4-COMP		Lab Samp ID: 4529-6				
Descr/Location: SP1-SP4-CO		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0913		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0 PQL		1.2	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121 SLSA		81%		1

Approved by:



Date:

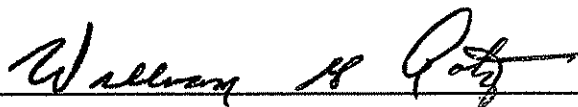
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: SW-1		Lab Samp ID: 4529-1				
Descr/Location: SW-1		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0820		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0 PQL	DX	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121 SLSA		103%		1
DX: Value < lowest standard (MQL), but > than MDL						

Approved by:



Date:

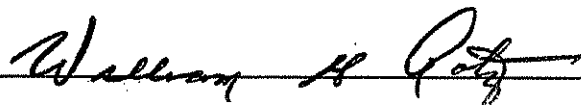
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: SW-2		Lab Samp ID: 4529-2				
Descr/Location: SW-2		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0822		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0 PQL		ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121 SLSA		103%		1

Approved by:



Date:

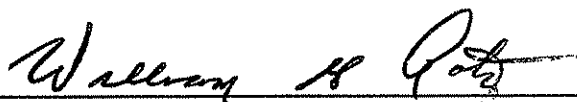
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: SW-3		Lab Samp ID: 4529-3				
Descr/Location: SW-3		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0824		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0 PQL		ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121 SLSA		88%		1

Approved by:



Date:

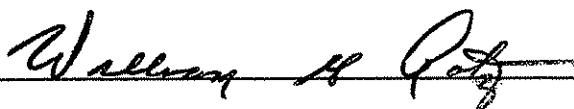
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Project Name: 3610 GRAVENSTEIN		Analysis: Total Petroleum Hydrocarbons (TPH) by GC/MS				
Project No: 403		Method: 8260TPH				
		Prep Meth: SW5035				
Field ID: SW-4		Lab Samp ID: 4529-4				
Descr/Location: SW-4		Rec'd Date: 02/07/2005				
Sample Date: 02/07/2005		Prep Date: 02/08/2005				
Sample Time: 0825		Analysis Date: 02/09/2005				
Matrix: Soil		QC Batch: 20050209				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	1.4	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	93%		1

Approved by:



Date:

3/21/05

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

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QC Batch: 20050209		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX				
Matrix: Soil		Method: 8260FAB				
Lab Samp ID: 4529MB		Prep Meth: SW5035				
Analysis Date: 02/09/2005		Prep Date: 02/09/2005				
Basis: Wet		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	2.0	5.0	PQL	ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Amyl methyl ether (TAME)	2.0	5.0	PQL	ND	UG/KG	1
Di-isopropyl ether (DIPE)	2.0	5.0	PQL	ND	UG/KG	1
tert-Butyl alcohol (TBA)	20.	50.	PQL	ND	UG/KG	1
1,2-Dichloroethane	2.5	5.0	PQL	ND	UG/KG	1
1,2-Dibromoethane	2.5	5.0	PQL	ND	UG/KG	1
Benzene	2.0	5.0	PQL	ND	UG/KG	1
Toluene	2.0	5.0	PQL	ND	UG/KG	1
Ethylbenzene	2.0	5.0	PQL	ND	UG/KG	1
Xylenes	2.0	5.0	PQL	ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		74-121	SLSA	88%		1
Toluene-d8		81-117	SLSA	101%		1
Dibromofluoromethane		80-120	SLSA	98%		1

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

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QC Batch: 20050209	Analysis: Total Petroleum Hydrocarbons (TPH) by
Matrix: Soil	Method: 8260TPH
Lab Samp ID: 4529MB	Prep Meth: SW5035
Analysis Date: 02/09/2005	Prep Date: 02/09/2005
Basis: Wet	Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.5	1.0	PQL	ND	MG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	74-121	SLSA		83%		1

QA/QC Report

Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

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Lab Report No.: 4529 Date: 03/21/2005

QC Batch: 20050209
Matrix: Soil
Lab Samp ID: 4529MS
Basis: Wet

Project Name: 3610 GRAVENSTEIN HWY SO.
Project No.: 403
Field ID: B-1
Lab Ref ID: 4529-5

Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries		% Rec	Acceptance Criteria
		MS	DMS		MS	DMS		MS	DMS	RPD	
1,2-Dibromoethane	8260FAB	25.0	25.0	ND	29.7	28.4	UG/KG	119	114	4.3	135-65 MSA 20MSP
1,2-Dichloroethane	8260FAB	25.0	25.0	ND	23.6	24.0	UG/KG	94.4	96.0	1.7	135-65 MSA 20MSP
Benzene	8260FAB	25.0	25.0	ND	22.2	22.8	UG/KG	88.8	91.2	2.7	142-66 MSA 20MSP
Di-isopropyl ether (DIPE)	8260FAB	25.0	25.0	ND	22.2	21.6	UG/KG	88.8	86.4	2.7	135-65 MSA 20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	25.0	25.0	ND	23.7	23.3	UG/KG	94.8	93.2	1.7	135-65 MSA 20MSP
Ethylbenzene	8260FAB	25.0	25.0	ND	23.7	22.3	UG/KG	94.8	89.2	6.1	135-65 MSA 20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	25.0	25.0	ND	23.3	23.9	UG/KG	93.2	95.6	2.5	135-65 MSA 20MSP
Toluene	8260FAB	25.0	25.0	ND	28.2	23.8	UG/KG	113	95.2	17	139-60 MSA 20MSP
Xylenes	8260FAB	75.0	75.0	ND	72.2	71.0	UG/KG	91.1	89.5	1.8	135-65 MSA 20MSP
tert-Amyl methyl ether (TAME)	8260FAB	25.0	25.0	ND	23.9	24.0	UG/KG	95.6	96.0	0.42	135-65 MSA 20MSP
tert-Butyl alcohol (TBA)	8260FAB	125.	125.	ND	114.	117.	UG/KG	91.2	93.6	2.6	140-60 MSA 25MSP
Gasoline Range Organics (C5-C12)	8260TPH	3.0	3.0	ND	2.6	2.8	MG/KG	86.7	93.3	7.3	135-65 MSA 20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	82	100.	102.	PERCENT	100	102	2.0	121-74 SLSA 20SLSP
Dibromofluoromethane	8260FAB	100.	100.	94	94.	99.	PERCENT	94.0	99.0	5.2	120-80 SLSA 20SLSP
Toluene-d8	8260FAB	100.	100.	87.	107.	104.	PERCENT	107	104	2.8	117-81 SLSA 20SLSP
4-Bromofluorobenzene	8260TPH	100.	100.	82	107.	107.	PERCENT	107	107	0.00	121-74 SLSA 20SLSP

Chain-of-Custody Form

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